

## Recombinant Human DAXX, GST-tagged

**Cat. No.** DAXX-11834H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Product Overview</b> | Recombinant Human DAXX protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ProteinLength</b>    | 1-349a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | <p>This gene encodes a multifunctional protein that resides in multiple locations in the nucleus and in the cytoplasm. It interacts with a wide variety of proteins, such as apoptosis antigen Fas, centromere protein C, and transcription factor erythroblastosis virus E26 oncogene homolog 1. In the nucleus, the encoded protein functions as a potent transcription repressor that binds to sumoylated transcription factors. Its repression can be relieved by the sequestration of this protein into promyelocytic leukemia nuclear bodies or nucleoli. This protein also associates with centromeres in G2 phase. In the cytoplasm, the encoded protein may function to regulate apoptosis. The subcellular localization and function of this protein are modulated by post-translational modifications, including sumoylation, phosphorylation and polyubiquitination. Alternative splicing results in multiple transcript variants.</p> |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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GSH and 1% Triton X-100,15%glycerol.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | DAXX death-domain associated protein [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>     | DAXX                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>            | DAXX; death-domain associated protein; death associated protein 6; death domain-associated protein 6; DAP6; Fas-binding protein; CENP-C binding protein; ETS1-associated protein 1; death-associated protein 6; fas death domain-associated protein; EAP1; BING2; MGC126245; MGC126246;                                                                                                                                    |
| <b>Gene ID</b>             | 1616                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001141969                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_001135441                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 603186                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | Q9UER7                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Chromosome Location</b> | 6p21.3                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Pathway</b>             | Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; FAS pathway and Stress induction of HSP regulation, organism-specific biosystem; HIV-1 Nef: Negative effector of Fas and TNF-alpha, organism-specific biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; IL-6 Signaling Pathway, |

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organism-specific biosystem;

**Function**

androgen receptor binding; enzyme binding; heat shock protein binding; p53 binding; protein N-terminus binding; protein binding; protein homodimerization activity; receptor signaling protein activity; transcription coactivator activity; transcription fact

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