

## Recombinant Human DAPK1, GST-tagged

**Cat. No.** DAPK1-11825H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Human DAPK1 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>    | 1081-1410a.a.                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. |
| <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 GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                             |

### GENE INFORMATION

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| <b>Gene Name</b>       | DAPK1 death-associated protein kinase 1 [ Homo sapiens ] |
| <b>Official Symbol</b> | DAPK1                                                    |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>            | DAPK1; death-associated protein kinase 1; DAPK; DAP kinase 1; DKFZp781I035;                                                                                                                                                                                                                                                                        |
| <b>Gene ID</b>             | <a href="#">1612</a>                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>         | <a href="#">NM_004938</a>                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_004929</a>                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>                 | <a href="#">600831</a>                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          | <a href="#">P53355</a>                                                                                                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 9q34.1                                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | Apoptosis, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; IFN-gamma pathway, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Regulation of Apoptosis, organism-specific biosystem; Role of DCC in regulating apoptosis, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; calmodulin binding; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;                                                                                                                                                                                                           |