

Active Recombinant Full Length Human DAXX Protein, C-Flag-tagged

Cat. No. DAXX-335HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human DAXX Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Pull-down assay
Molecular Mass	81.2 kDa

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence

MATANSIIVLDDDDDEDEAAAQPGPSHPLPNAASPGAEAPSSSEPHGARGSSSSGGK
 KCYKLENEKLFEFF LELCKMQTADHPEVVPFLYNRQQRAHSLFLASAEFCNLSRVL
 SRARSRPAKLYVYINELCTVLKAHSAK KKLNLAPAATTSNEPSGNNPPTHLSLDPTN
 AENTASQSPRTRGSRRQIQRLQQLALYVAEIRRLQEKEL DLSELDDPD SAYLQEAR
 LKRKLIRLFGRLCELKDCSSLTGRVIEQRIPIRGTRYPEVNRRIERLINKPGP DTFPD
 YGDVLRAVEKAAARHSLGLPRQQLQMAQDAFRDVGIRLQERRHLDLIYNFGCHLT
 DDYRPGVDP ALSDPVLARRLRENRLAMSRLDEVISKYAMLQDKSEEGERKKRRA
 RLQGTSSHSADTPEASLDSGEGPS GMASQGCPSASRAETDDEDDEESDEEEEE
 EEEEEEEATDSEEEEDLEQM QEGQEDDEEEDEEEEEAAAGK DGDKSPMSSLQISNE
 KNLEPGKQISRSSGEQQNKGRIVSPSLLSEEPLAPSSIDAESNGEQPEELTEEE SP
 VSQLEFELEIEALPLDTPSSVETDISSSRKQSEEPFTTVLENGAGMVSSTSFNGGVSP
 HNWGDSGPPCK KSRKEKKQTGSGPLGNSYVERQRSVHEKNGKKICTLPSPPSPLA
 SLAPVADSSTRVDSPSHGLVTSSLCI
 PPARLSQTPHSQPPRPGTCKTSVATQCDPEEIIVLSDSDTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability

Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage

Store at -80 centigrade.

Concentration

>50 ug/mL as determined by microplate BCA method.

Preparation

Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families

Druggable Genome, Stem cell - Pluripotency, Transcription Factors

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Protein Pathways	Amyotrophic lateral sclerosis (ALS), MAPK signaling pathway
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Full Length	Full L.
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GENE INFORMATION

Gene Name	DAXX death domain associated protein [Homo sapiens (human)]
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Official Symbol	DAXX
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Synonyms	DAP6; EAP1; BING2; SMIM40
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Gene ID	1616
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mRNA Refseq	NM_001141969.2
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Protein Refseq	NP_001135441.1
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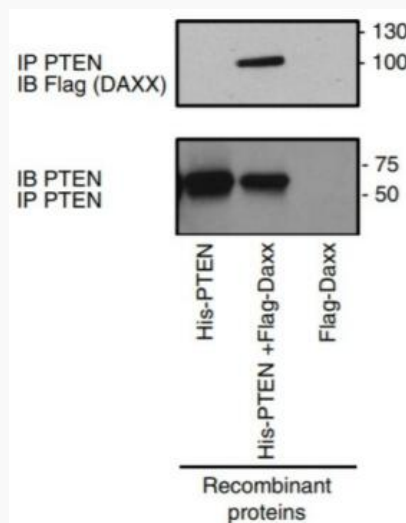
MIM	603186
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UniProt ID	Q9UER7
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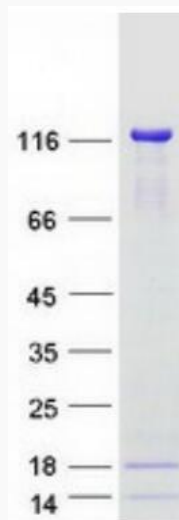
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DAXX interacts with PTEN. The in vitro pulldown assay mixed Flag-DAXX and His-PTEN recombinant proteins immunoprecipitated (IP) with anti-PTEN and the resultant samples were analyzed in Western blot with anti-Flag and anti-PTEN antibodies.



Coomassie blue staining of purified DAXX protein.

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