

Recombinant Human TULP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TULP3-1998H Lot. No. (See product label)

SPECIFICATION

Product Overview	TULP3 MS Standard C13 and N15-labeled recombinant protein (NP_003315) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	1-442 aa
Description	<p>This gene encodes a member of the tubby gene family of bipartite transcription factors. Members of this family have been identified in plants, vertebrates, and invertebrates, and they share a conserved N-terminal transcription activation region and a conserved C-terminal DNA and phosphatidylinositol-phosphate binding region. The encoded protein binds to phosphoinositides in the plasma membrane via its C-terminal region and probably functions as a membrane-bound transcription regulator that translocates to the nucleus in response to phosphoinositide hydrolysis, for instance, induced by G-protein-coupled-receptor signaling. It plays an important role in neuronal development and function. Two transcript variants encoding distinct isoforms have been identified for this gene.</p>
Molecular Mass	49.7 kDa
AA Sequence	MEASRCRLSPSGDSVFHEEMMKMRQAKLDYQRLLLEKRQRKKRLEPFMVQPNPEA RLRRAKPRASDEQTPLVNCHTPHSNVILHGIDGPAAVLKPDEVHAPS VSSSVVEEDA

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ENTVDTASKPGLQERLQKHDISESVNFDEETDGISQSACLERPNSASSQNSTDTGTS
 GSATAAQPADNLLGDIDYLEDFVYSPAPQGVTVRCRIIRDKRGMDRGLFPTYMYLE
 KEENQKIFLLAARKRKKSKTANYLISIDPVDLSREGESYVGKLRNLMTGKFTVYDRG
 ICPMKGRGLVGAAHTRQELAAISYETNLVGFKGPRKMSVIIPGMTLNHKQIPYQPQN
 NHDSLLSRWQNRTMENLVELHNKAPVWNSDTQSYVLNFRGRVTQASVKNFQIVHK
 NDPDYIVMQFGRVADDVFTLDYNYPLCAVQAFGIGLSSFDSKLACETRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TULP3 tubby like protein 3 [Homo sapiens (human)]

Official Symbol TULP3

Synonyms TULP3; tub; tubby-related protein 3; TUBL3; tubby-like protein 3; MGC45295;

Gene ID 7289

mRNA Refseq NM_003324

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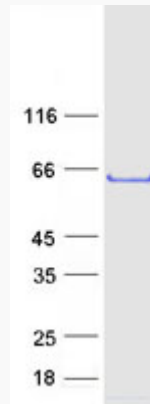
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Protein Refseq NP_003315

MIM 604730

UniProt ID O75386

SDS-PAGE



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