

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	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.
Molecular Mass	49.7 kDa
AA Sequence	MEASRCRLSPSGDSVFHEEMMKMRQAKLDYQRLLEKRQRKKRLEPFMVQPNPEA RLRRRAKPRASDEQTPLVNCHTPHSNVILHGIDGPAAVLKPDEVHAPSVSSSVVEEDA

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ENTVDTASKPGLQERLQKHDISESVNFDEETDGISQSACLERPNSASSQNSTDGTGTS
 GSATAAQPADNLLGDIDYLEDFVYSPAPQGVTVRCRIIRDKRGMDRGLFPTYMYLE
 KEENQKIFLLAARKRKSKTANYLISIDPVDLSREGESYVGKLRNLMGKFTVYDRG
 ICPMKGRGLVGAAHTRQELAAISYETNVLGFKGPRKMSVIIPGMTLNHKQIPYQPQN
 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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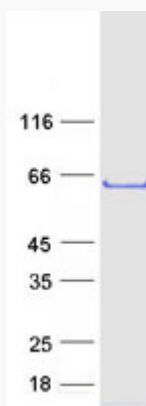
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Protein Refseq NP_003315

MIM 604730

UniProt ID O75386

SDS-PAGE



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