

Recombinant Full Length Human TULP3 Protein, GST tagged

Cat. No. TULP3-01HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human TULP3 full-length ORF (AAH32587, 1 a.a. - 442 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat germ
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	74.36 kDa
AA Sequence	MEASRCRLSPSGDSVFHEEMMKMRQAKLDYQRLLEKRQRKKRLEPFMVQPNPEA RLRRAKPRASDEQTPLVNCHTPHSNVILHGIDGPAAVLKPDEVHAPSVSSSVVEEDA ENTVDTASKPGLQERLQKHDISES VNFDEETDGISQSACLERPNSASSQNSTDTGTS

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GSATAAQPADNLLGDIDYLEDFVYSPAPQGVTVRCRIIRDKRGMDRGLFPTYMYLE
KEENQKIFLLAARKRKKSKTANYLISIDPVDLSREGESYVGKLRNLMGKFTVYDRG
ICPMKGRGLVGAAHTRQELAAISYETNVLGFKGPRKMSVIIPGMTLNHKQIPYQPQN
NHDSLLSRWQNRTMENLVELHNKAPVWNSDTQSYVLNFRGRVTQASVKNFQIVHK
NDPDYIVMQFGRVADDVFTLDYNYPLCAVQAFGIGLSSFDSKLACE

Quality Control	12.5% SDS-PAGE Stained with Coomassie Blue.
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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_001160408
Protein Refseq	NP_001153880

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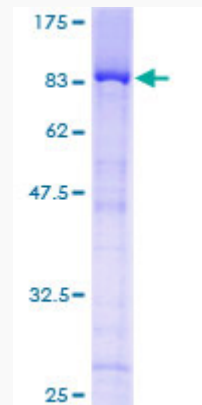
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MIM 604730

UniProt ID O75386

SDS-PAGE



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