

# Recombinant Full Length Human TULP3 Protein, GST tagged

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

## SPECIFICATION

<b>Product Overview</b>	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).
<b>Species</b>	Human
<b>Source</b>	Wheat germ
<b>ProteinLength</b>	1-442 aa
<b>Description</b>	<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>
<b>Molecular Mass</b>	74.36 kDa
<b>AA Sequence</b>	<p>MEASRCRLSPSGDSVFHEEMMKMRQAKLDYQRLLEKRQRKKRLEPFMVQPNPEA            RLRRAKPRASDEQTPLVNCHTPHSNVILHGIDGPAAVLKPDEVHAPSVSSSVVEEDA            ENTVDTASKPGLQERLQKHDISESVNFDEETDGISQSACLERPNSASSQNSTDTGTS</p>

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

GSATAAQPADNLLGDIDYLEDFVYSPAPQGVTVRCRIIRDKRGMDRGLFPTYMYLE  
 KEENQKIFLLAARKRKKSKTANYLISIDPVDLSREGESYVGKLRSNLMGKFTVYDRG  
 ICPMKGRGLVGAAHTRQELAAISYETNVLGFKGPRKMSVIIPGMTLNHKQIPYQPQN  
 NHDSLLSRWQNRTMENLVELHNKAPVWNSDTQSYVLNFRGRVTQASVKNFQIVHK  
 NDPDYIVMQFGRVADDVFTLDYNYPLCAVQAQAFGIGLSSFDSKLACE

**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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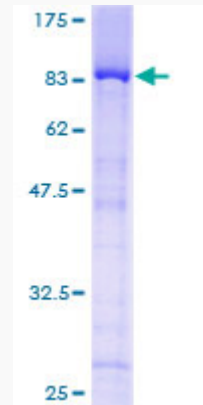
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MIM 604730

UniProt ID O75386

SDS-PAGE



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