

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

Cat. No. TUB-6659H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TUB MS Standard C13 and N15-labeled recombinant protein (NP_813977) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Tubby family of bipartite transcription factors. The encoded protein may play a role in obesity and sensorineural degradation. The crystal structure has been determined for a similar protein in mouse, and it functions as a membrane-bound transcription regulator that translocates to the nucleus in response to phosphoinositide hydrolysis. Two transcript variants encoding distinct isoforms have been identified for this gene.
Molecular Mass	55.5 kDa
AA Sequence	MTSKPHSDWIPYSVLDDDEGRNLRQQKLDRQRALLEQKQKKKRQEPLMVQANADGR PRRRARQSEEQAPLVESYLSSSGSTSYQVQEADSLASVQLGATRPTAPASAKRTK AAATAGGQGGGAARKEKKGKHKGTSGPAALAEKSEAQGPVQILTVGQSDHAQDAG ETAAGGGERPSGQDLRATMQRKGISSSMSFDEDEDEEENSSSSSQLNSNTRPSS ATSRKSVREAASAPSPTAPEQPVDVEVQDLEEFALRPAPQGITIKCRITRDKKGMDR GMYPTYFLHLDREDGKKVFLLAGRKRRKSKTSNYLISVDPTDLSRGGDSYIGKLRSN LMGKFTVYDNGVNPQKASSSTLESGLRQELAAVCYETNVLGFKGPRKMSVIVPG

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MNMVHERVSI RPRNEHETLLARWQNKN TESI IELQNKTPVWNDDTQSYVLNFHGRV
TQASVKNFQIIHGNDPDYIVMQFGRVAEDVFTMDYNYPLCALQAFAIALSSFDSKLAC
ETRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 TUB TUB bipartite transcription factor [Homo sapiens (human)]

Official Symbol TUB

Synonyms TUB; tub; tubby (mouse) homolog; tubby protein homolog; rd5; tubby homologue;

Gene ID 7275

mRNA Refseq NM_177972

Protein Refseq NP_813977

MIM 601197

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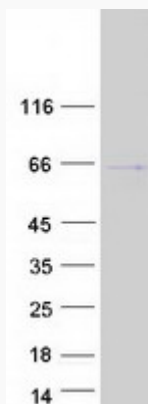
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UniProt ID

P50607

SDS-PAGE

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