

Product datasheet for TP300755

beta III Tubulin (TUBB3) (NM_006086) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human tubulin, beta 3 (TUBB3), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200755 protein sequence
Red=Cloning site **Green**=Tags(s)

MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPSGNYVGDSLQLERISVYYNEASSHKYVPRAILVDLEP
GTMDSVRSGAFGHLFRPDNFIFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKECENCDCLOGFQLTHSL
G
GGTGSGMGTLISKVREEYPDRIMNTFSVSPKVS DTVVEPYNATLSIHLVENTDETYCIDNEALYDI
CFRTLKLATPTYGDLNHLVSATMSGVTTSLRFPGQLNADLRKLAVNMVFPRLHFFMPGFAPLTARGSQQ
YRALVPELTQQMFDAKNMMAACDPRHGRYLTVATVFRGRMSMKEVDEQMLAIQSKNSSYFVEWIPNN
VK
VAVCDIPPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVS
EYQQYQDATAEEEGEMYEDDEEESEAQGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 50.3 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Bioactivity: Co-immunoprecipitation (PMID: [25754961](#))

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_006077
Locus ID:	10381
UniProt ID:	Q13509
RefSeq Size:	1794
Cytogenetics:	16q24.3
RefSeq ORF:	1350
Synonyms:	beta-4; CDCBM; CDCBM1; CFEOM3; CFEOM3A; FEOM3; TUBB4
Summary:	This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6. [provided by RefSeq, Oct 2010]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Protein Pathways:	Gap junction, Pathogenic Escherichia coli infection

Product images:



Coomassie blue staining of purified TUBB3 protein (Cat# TP300755). The protein was produced from HEK293T cells transfected with TUBB3 cDNA clone (Cat# [RC200755]) using MegaTran 2.0 (Cat# [TT210002]).