

Product datasheet for TP300755

OriGene Technologies, Inc.

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

MREIVHIQAGQCGNQIGAKFWEVISDEHGIDPSGNYVGDSDLQLERISVYYNEASSHKYVPRAILVDLEP GTMDSVRSGAFGHLFRPDNFIFGQSGAGNNWAKGHYTEGAELVDSVLDVVRKECENCDCLQGFQLTHSL

G

GGTGSGMGTLLISKVREEYPDRIMNTFSVVPSPKVSDTVVEPYNATLSIHQLVENTDETYCIDNEALYDI CFRTLKLATPTYGDLNHLVSATMSGVTTSLRFPGQLNADLRKLAVNMVPFPRLHFFMPGFAPLTARGSQQ YRALTVPELTQQMFDAKNMMAACDPRHGRYLTVATVFRGRMSMKEVDEQMLAIQSKNSSYFVEWIPNN

VK

VAVCDIPPRGLKMSSTFIGNSTAIQELFKRISEQFTAMFRRKAFLHWYTGEGMDEMEFTEAESNMNDLVS

EYQQYQDATAEEEGEMYEDDEEESEAQGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 50.3 kDa

Concentration: $>0.05 \mu g/\mu L$ 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: <u>25754961</u>)

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

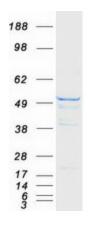
of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular 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]).