

TuBB3 recombinant protein

TuBB3, 1-450aa, Human, His tag, E Coli

CATALOG # AAA48791	HOST E Coli	APPLICATIONS SDS-Page
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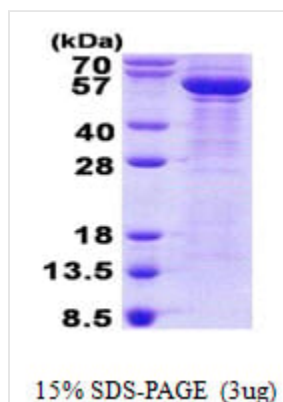
PRODUCT SYNONYMS

TuBB3; 1-450aa; Human; His tag; E Coli; Tubulin beta 3 class III; Tubulin; beta 3 class III; beta-4; CDCBM; CFEOM3A; TuBB4; TuBB3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMREIVHI QAGQCGNQIG AKFWEVISDE HGIDPSGNYV GSDSLQLERI SVYYNEASSH KYVPRAILDV LEPGTMDSVR SGAFGHLFRP DNFIFGQSGA GNNWAKGHYT EGAELVDSVL DVVRKECENC DCLQGFQLTH SLGGGTGSGM GTLLISKVRE EYPDRIMNTF SVVSPKVSD TVVEPYNATL SIHQLVENTD ETYCIDNEAL YDICFRTLKL ATPTYGDLNH LVSATMSGVT TSLRFPGQLN ADLRKLAVNM VPFPRLHFFM PGFAPLTARG SQQYRALTVP ELTQQMFDAK NMMAACDPRH GRYLTVATVF RGRMSMKEVD EQMLAIQSKN SSYFVEWIPN NVKVAVCDIP PRGLKMSSTF IGNSTAIQEL FKRISEQFTA MFRRKAFLHW YTGEGMDEME FTEAESNMND LVSEYQQYQD ATAEEEGEMY EDDEEESEAQ GPK
Sequence Length	450
Applicable Applications for TuBB3 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TuBB3 recombinant protein	Tubulin, beta 3 class III, also known as TuBB3, is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha-chain. TuBB3 plays a critical role in proper axon guidance and maintenance. Recombinant human TuBB3 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for TuBB3 recombinant protein	Cytoskeleton
References	Katsetos C.D., et al. (2003) J. Child Neurol. 18:851-866; Tischfield M.A., et al. (2010) Cell. 140:74-87;

NCBI AND UNIPROT INFORMATION

NCBI GI #	50592996
NCBI GeneID	10381
NCBI Accession #	NP_006077
NCBI GenBank Nucleotide #	NM_006086.3
UniProt Accession #	Q13509; Q9BTZ0; Q9BW10; A8K854
Molecular Weight	52.8 kDa (473aa)
NCBI Official Full Name	tubulin beta-3 chain isoform 1
NCBI Official Synonym Full Names	tubulin beta 3 class III
NCBI Official Symbol	TUBB3
NCBI Official Synonym Symbols	CDCBM; FEOM3; TUBB4; CDCBM1; CFEOM3; beta-4; CFEOM3A
NCBI Protein Information	tubulin beta-3 chain
UniProt Protein Name	Tubulin beta-3 chain
UniProt Gene Name	TUBB3
UniProt Synonym Gene Names	TUBB4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.