

Active Recombinant Mouse TTBK2, GST-tagged

Cat. No. TTBK2-1502M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse TTBK2 (70-538) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Mouse
Source	Sf9 Cells
ProteinLength	70-538 aa
Description	TTBK2 or tau tubulin kinase 2 is a serine-threonine kinase that putatively phosphorylates tau and tubulin proteins. TTBK2 is a member of the casein kinase (CK1) group of eukaryotic protein kinases that is involved in tau phosphorylation and aggregation. Mutations in TTBK2 cause spinocerebellar ataxia type 11 (SCA11) (a neurodegenerative disease characterized by progressive ataxia and atrophy of the cerebellum and brainstem).
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	370 nmol/min/mg
Molecular Mass	~88 kDa
Purity	>95%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
Gene Name	Ttbk2 tau tubulin kinase 2 [Mus musculus]
Official Symbol	TTBK2
Synonyms	TTBK2; tau tubulin kinase 2; tau-tubulin kinase 2; TTK; Ttbk; Ttbk1; AI326283; mKIAA0847; 2610507N02Rik; B930008N24Rik; KIAA0847;
Gene ID	140810
mRNA Refseq	NM_001024856
Protein Refseq	NP_001020027
Function	ATP binding; kinase activity; nucleotide binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups;

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