

Recombinant rat Microtubule-associated protein tau

Catalog No: #AP72662



Package Size: #AP72662-1 20ug #AP72662-2 100ug #AP72662-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant rat Microtubule-associated protein tau
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-752aaSequence Info:Full Length
Other Names	Neurofibrillary tangle protein;Paired helical filament-tau ;PHF-tau
Accession No.	P19332
Uniprot	P19332
Calculated MW	80.4 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	AEPRQEFDTMEDQAGDYTMLQDQEGDMDHGLKESPPQPPADDGSEEPGSETSDAKSTPTAEDVTAPLVEE RAPDKQATAQSHTEIPEGTTAEAEAGIDTPNMQAAGHVTEPQKVEIFSQSLLEVPGRREGQAPDSGISD WTHQQVPSMSGAPLPPQGLREATHQPLGTRPEDVERSHPASELLWQESPQKEAWGKDRLGSEEEVDEDIT MDESSQESPPSQASLAPGTATPQARSVSASGVSGETTSIPGFPAEGSIPLPADFFSKVSAETQASPPEPGPTG PSEEGHEAAPEFTFHVEIKASAPKEQDLEGATVVGAPAEQKARGPSVKGKTKEASLLEPTDKQPAAGLPGR PVSRVPQLKARVAGVSKDRGTGNDEKKAKTSTPSCAKTPSNRPCLSPTRPTPGSSDPLIKPSSPAVCPEPATSP KYVSSVTPRNGSPGKQMKLKGADGKTGAKIATPRGAATPGQKGTSNATRIPAKTTPSPKTPPGSGEPPKSG ERSGYSSPGSPGTPGSRSRTPSLPTPTREPKKVAVVRTPPKSPSASKSRLQTAPVMPDLKNVRSKIGSTE NLKHQPGGGKVQIINKKLDLSNVQSKCGSKDNKIHVPGGGSVHIVYKPVLDLSKVTSKCGSLGNIHHKPGGGQV EVKSEKLDKDRVQSKIGSLDNITHVPGGGNKKIETHKLTFRENAKAKTDHGAEIVYKSPVVSVDTSRHLNSV SSTGSIDMVDSPQLATLADEVASLAKQGL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Promotes microtubule assembly and stability, and might be involved in the establishment and maintenance of neuronal polarity. The C-terminus binds axonal microtubules while the N-terminus binds neural plasma membrane components, suggesting that tau functions as a linker protein between both. Axonal polarity is predetermined by tau localization (in the neuronal cell) in the domain of the cell body defined by the centrosome. The short isoforms allow plasticity of the cytoskeleton whereas the longer isoforms may preferentially play a role in its stabilization.

References

Cloning of a big tau microtubule-associated protein characteristic of the peripheral nervous system.Goedert M., Spillantini M.G., Crowther R.A.Proc.

Note: This product is for in vitro research use only