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32-6921: TH Mouse

Alternative Name : Tyrosine 3-monooxygenase, Tyrosine 3-hydroxylase, TH.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Tyrosine 3-monooxygenase (Th), is a rate-limiting enzyme in catecholamine synthesis. Th utilizes tetrahydrobiopterin as well as molecular oxygen to convert tyrosine to DOPA. Th regulates dopamine (DA) neurotransmission at the biosynthesis and reuptake steps. Th takes a vital part in the physiology of adrenergic neurons. Furthermore, Th effects overexpression in lymphocytes on the differentiation as well as function of T helper cells.
TH Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 507 amino acids (1-498a.a.) and having a molecular mass of 57.0kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).Â TH is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	TH protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPMPTPSAS SPQPKGFRRA VSEQDTKQAE AVTSPRFIGR RQSLIEDARK EREAAAAAAA AAVASAEPGN PLEAVVFEER DGNAVLNLLF SLRGTKPSSL SRALKVFETF EAKIHHLETR PAQRPLAGSP HLEYFVRFEV PSGDLAALLS SVRRVSDDVR SAREDKVPWF PRKVSELDKC HHLVTKFDPD LDLDHPGFSD QAYRQRRKLI AEIAFQYKQG EPIPHVEYTK EEIATWKEVY ATLKGLYATH ACREHLEAFQ LLERYCGYRE DSIPQLEDVS HFLKERTGFQ LRPVAGLLSA RDFLASLAFR VFQCTQYIRH ASSPMHSPEP DCCHELLGHV PMLADRTFAQ FSQDIGLASL GASDEEIEKL STVYWFTVEF GLCKQNGELK AYGAGLLSSY GELLHSLSEE PEVRAFDPDT AAVQPYQDQT YQPVYFVSES FSDAKDKLRN YASRIQRPFS VKFDPYTLAI DVLDSPHTIR RSLEGVQDEL HTLTQALSAI SHHHHHH.