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Th, 1-498aa, Mouse, His-tag, Baculovirus

产品货号: TP04197

第三版

别名: Tyrosine 3-monooxygenase, Th, tyrosine hydroxylase.

描述: Th, also known as tyrosine 3-monooxygenase, is a rate-limiting enzyme in catecholamine synthesis. It uses tetrahydrobiopterin and molecular oxygen to convert tyrosine to DOPA. It regulates dopamine (DA) neurotransmission at the biosynthesis and reuptake steps. It plays an important role in the physiology of adrenergic neurons. It effects overexpression in lymphocytes on the differentiation and function of T helper cells. Recombinant mouse Th, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

分子量: 57.0kDa (507aa), 50-70kDa (SDS-PAGE under reducing conditions)

序列:

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ADPMPTPSASSPQPKGFRRVSEQDTKQAEAVTSPRFIGRRQSLIEDARKEREAAAAAAAAAVASAEPGNPLEAVVFEERD
GNAVLNLLFSLRGTKPSSLSRALKVFETFEAKIHHLLETRPAQRPLAGSPHLEYFVRFEVPSGDLAALLSSVRRVSDDVRSARED
KVPWFPRKVSSELDKCHHLVTKFDPDLDDHPGFSDQAYRQRRKLI AEIAFYKQGEPIPHVEYTKEEIATWKEVYATLKG
LYATHACREHLEAFQLLERYCGYREDSIPQLEDVSHFLKERTGFQLRPVAGLLSARDFLASLAFRVFQCTQYIRHASSPMHS
PEPDCCHELLGHVPMLADRTFAQFSQDIGLASLGASDEEIEKLSTVYWFTVEFGLCKQNGELKAYGAGLLSSYGELLHSLSE
EPEVRAFDPD TAAVQPYQDQTYQP VYFVSESFSDAKDKLRNYASRIQRPF SVKFDPYTLAIDVLDSPHTIRRSLEGVQDELH
TLTQALSAISHHHHHH
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纯度: > 95% by HPLC

浓度: 0.25mg/ml (determined by Absorbance at 280nm)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.