

Product Name: Tyrosine Hydroxylase, Isoform 2, (1-497aa), Human, His-tagged, Recombinant, *E. coli*

Product Code: NBP1-42461

Swiss-Prot No.: P07101-2

Description: Tyrosine hydroxylase (TH) is the rate-limiting enzyme in the synthesis of the catecholamines dopamine, epinephrine and norepinephrine. Human tyrosine hydroxylase (isoform 2) with an N-terminal His tag expressed in *E. coli* and purified by conventional chromatography.

Sequence:

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1  MGSSHHHHHHHGGQNL YFQGAMGPTPDA TTPQAKGFRAVSELDKQA EAIMSPRFIGRRQSLIEDARKEREA AVAAAAAVPSEPGDPLEAVAFEEKEG
101 KAMLNLLFSPRATKPSALSRAVKVFETFEAKIHLE TRPAQRPRAG GPHLEYFVRLEVRGDLAALLS GVRQVSEDVRS PAGPKVPWFPRKVSE LDKCHH
201 LVTKFDPLDLDPGFSDQVYRQRRKLI AEIAFY RHGDPIRVEY TAEIATWKEVY TTKGLYATHACGEHLEAFALLERFSGY REDNIPQLEDVSRF
301 LKER TGFQLRPVAGLLSARD FLASLAFRVFQCTQY IRHASSPMHSPEPDCCHELLGHV PMLADR TFAQFSQDI GLASLGASDE EIEKLS TLYWFTVEFGL
401 CKQNGEVKAY GAGLLSSY GELLHCLSEEPEIRAFDPEAAA VQPYQDQTY QSVYFVSEFS DAKDKLR SYASRIQRPFSVKFDPYTLAIDVLDSPQAVRRS
501 LEGVQDELDTLAHALSAIG 519
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Molecular Weight: 58.1 kDa

Concentration: 0.5 mg/ml (determined by Bradford assay)

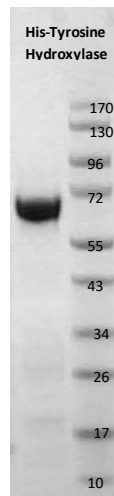
Formulation: 300 mM NaCl, 2.7 mM KCl, 4.3 mM Na₂HPO₄, 1.47 mM KH₂PO₄, 5% glycerol, 1 mM DTT
pH 7.4

Shipping/Storage: Shipped on wet ice. Store frozen at -20°C or -70°C.

Characterization:

SDS-PAGE

Purity >95%



4-20% SDS-PAGE
5 µg loaded

Western Blot

Novus Biologicals TH Antibody NB300-109:



150 ng loaded

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