

Recombinant Human TAT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TAT-5256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TAT MS Standard C13 and N15-labeled recombinant protein (NP_000344) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This nuclear gene encodes a mitochondrial protein tyrosine aminotransferase which is present in the liver and catalyzes the conversion of L-tyrosine into p-hydroxyphenylpyruvate. Mutations in this gene cause tyrosinemia (type II, Richner-Hanhart syndrome), a disorder accompanied by major skin and corneal lesions, with possible cognitive disability. A regulator gene for tyrosine aminotransferase is X-linked.
Molecular Mass	50.4 kDa
AA Sequence	MDPYMIQMSSKGNLSSILDVHVNVGGRSSVPGMKMKGRKARWSVRPSDMAKKTENP IRAIVDNMKVKPNPNKTMISLSIGDPTVFGNLPTDPEVTQAMKDALDSGKYNGYAPSI GFLSSREEIASYYHCPEAPLEAKDVILTSGCSQAIDLCLAVLANPGQNILVPRPGFSLY KTLAESMGIEVKLYNLLPEKSWEIDLKQLEYLIDEKTACLIVNNPSNPCGSVFSKRHL QKILAVAAARQCVPILADEIYGDMVFSDCKYEPLATLSTDVPILSCGGLAKRWLVPGW RLGWILIHDRRDIFGNEIRDGLVKLSQRILGPCTIVQGALKSILCRTPGEFYHNTLSFLK SNADLCYGALAAIPGLRPVRPSGAMMYLMVGIEMEHFPEFENDVEFTERLVAEQSVH

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CLPATCFEYPNFIRVVITVPEVMMLEACSRIQEFCEQHYHCAEGSQEECDKTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TAT tyrosine aminotransferase [Homo sapiens (human)]

Official Symbol TAT

Synonyms TAT; tyrosine aminotransferase; tyrosine aminotransferase, cytosolic; L-tyrosine:2-oxoglutarate aminotransferase;

Gene ID 6898

mRNA Refseq NM_000353

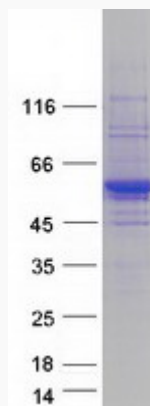
Protein Refseq NP_000344

MIM 613018

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