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	MDPYMIQMSSKGNLSSILDVHVNVGGRSSVPGKMKGRKARWSVRPSDMAKKTFNP IRAIVDNMKVKPNPNKTMISLSIGDPTVFGNLPTDPEVTQAMKDALDSGKYNGYAPSI GFLSSREEIASYYHCPEAPLEAKDVILTSGCSQAIDLCLAVLANPGQNILVPRPGFSLY KTLAESMGIEVKLYNLLPEKSWEIDLKQLEYLIDEKTACLIVNNPSNPCGSVFSKRHL QKILAVAARQCVPILADEIYGDMVFSDCKYEPLATLSTDVPILSCGGLAKRWLVPGW RLGWILIHDRRDIFGNEIRDGLVKLSQRILGPCTIVQGALKSILCRTPGEFYHNTLSFLK SNADLCYGALAAIPGLRPVRPSGAMYLMVGIEMEHFPEFENDVEFTERLVAEQSVH

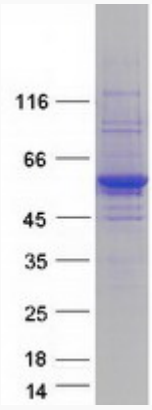
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	CLPATCFEYPNFIRVVITVPEVMMLEACSRIQEFCEQHYHCAEGSQEECDKTRTRPL EQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
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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UniProt ID	P17735
SDS-PAGE	

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