

Product datasheet for PH316782

TAT (NM_000353) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TAT MS Standard C13 and N15-labeled recombinant protein (NP_000344)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216782
Predicted MW:	50.4 kDa
Protein Sequence:	>RC216782 protein sequence Red=Cloning site Green=Tags(s)

MDPYMIQMSSKGNLSSILDVHVNVGGRSSVPGMKMKGRKARWSVRPSDMAKKTFNPIRAIVDNMKVKPNPN
KTMISLSIGDPTVFGNLPTDPEVTQAMKDALDSGKYNGYAPSIGFLSSREEIASYYHCPEAPLEAKDVIL
TSGCSQAIDLCLAVLANPGQNILVPRPGFSLYKTLAESMGIEVKLYNLLPEKSWEIDLKQLEYLIDEKTA
CLIVNNPNSNPGSVFSKRHLQKILAVAAARQCVPILADEIYGDMVFSCKYEPLATLSTDVPIILSCGGLAK
RWLVPGWRLGWILIHDRRDIFGNEIRDGLVKLSQRILGPCTIVQGALKSILCRTPGEFYHNTLSFLKSNA
DLCYGALAAIPGLRPVPSGAMYL MVGIEMEHFPEFENDVEFTERLVAEQSVHCLPATCFEYPNFIRVVI
TVPEVMMLEACSRIQEFCEQHYHCAEGSQEECDK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_000344</u>
RefSeq Size:	2757
RefSeq ORF:	1362
Locus ID:	6898



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UniProt ID: [P17735](#), [A0A140VKB7](#)

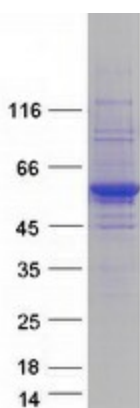
Cytogenetics: 16q22.2

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Phenylalanine, tyrosine and tryptophan biosynthesis, Phenylalanine metabolism, Tyrosine metabolism, Ubiquinone and other terpenoid-quinone biosynthesis

Product images:



Coomassie blue staining of purified TAT protein (Cat# [TP316782]). The protein was produced from HEK293T cells transfected with TAT cDNA clone (Cat# [RC216782]) using MegaTran 2.0 (Cat# [TT210002]).