TAT Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	TAT, Lysate
Full Product Name	Human TAT Protein Lysate
Product Gene Name	TAT lysate
Product Synonym Names	TAT; tyrosine aminotransferase; cytosolic; tyrosine aminotransferase
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C This protein lysate can be reconsituted using SDS Sample Buffer. Once reconsituted, aliquot and store any remaining material at -20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	50,399 Da
3D Structure	ModBase 3D Structure for P17735
Species	Human
Related Product Information for TAT lysate	Human TAT Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells.
Other Notes	Small volumes of TAT lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TAT purchase	MBS8428257 is a lysate targeting TAT. Also known as Human TAT Protein Lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAT. It may not necessarily be applicable to this product.

NCBI GI #	4507369
NCBI GeneID	6898
NCBI Accession #	NP_000344
UniProt Primary Accession #	P17735
UniProt Secondary Accession #	B2R8I1; D3DWS2
UniProt Related Accession #	P17735
GenBank Nucleotide #	NM_000353
NCBI Official Full Name	tyrosine aminotransferase
NCBI Official Synonym Full Names	tyrosine aminotransferase
NCBI Official Symbol	TAT
Protein Family	Protein
NCBI Protein Information	tyrosine aminotransferase

NCBI Summary for TAT	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 mental retardation. A regulator gene for tyrosine aminotransferase is X-linked. [provided by RefSeq, Jul 2008]
Research Articles on TAT	**1.** Two known mutations and one novel mutation was found in the TAT gene of Tunesian Richner-Hanhart syndrome patients. The geographical distribution of RHS mutations shows regional specificities.
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