

Recombinant Human TAT, GST-tagged

Cat. No. TAT-2502H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TAT (1 a.a. - 142 a.a.) fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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 mental retardation. A regulator gene for tyrosine aminotransferase is X-linked.
Molecular Mass	42.3 kDa
Sequence	MDPYMIQMSSKGNLPSILDVHVNVGGRSSVPGMKMKGRKARWSVRPSDMAKKTFFNP IRAIVDNMKVKPNPNKTMISLSIGELGTLLRGCHCPPLLSCSQAGWRRWQLGVSLST EHGRITSWLLLCFPPIKRGPYCVWKPAYRP
Storagebuffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Applications	ELISA; WB
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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OfficialSymbol TAT

GENE INFORMATION

Gene Name TAT tyrosine aminotransferase [Homo sapiens]

Synonyms TAT; tyrosine aminotransferase; tyrosine aminotransferase, cytosolic; L-tyrosine:2-oxoglutarate aminotransferase; EC 2.6.1.5

Gene ID 6898

mRNA Refseq NM_000353

Protein Refseq NP_000344

MIM 613018

UniProt ID P17735

Chromosome Location 16q22.1

Pathway 4-hydroxybenzoate biosynthesis; 4-hydroxyphenylpyruvate biosynthesis; Cysteine and methionine metabolism; FOXA2 and FOXA3 transcription factor networks

Function L-phenylalanine:2-oxoglutarate aminotransferase activity; L-tyrosine:2-oxoglutarate aminotransferase activity; amino acid binding

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