

## Recombinant Human TAT Protein

**Cat. No.** TAT-0055H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TAT Protein without tag was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | 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. |
| <b>Applications</b>     | ELISA, CLIA, CG                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>            | For research use only, not for use in diagnostic procedure.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage</b>          | Short term (up to 7 days) store at 2–8 centigrade. Long term, store at - 20 centigrade. Avoid multiple freeze/thaw cycles.                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | Supplied as a 0.2 µm filtered solution of PBS, pH7.4                                                                                                                                                                                                                                                                                                                                                                       |

### GENE INFORMATION

|                  |                                                        |
|------------------|--------------------------------------------------------|
| <b>Gene Name</b> | TAT tyrosine aminotransferase [ Homo sapiens (human) ] |
|------------------|--------------------------------------------------------|

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|                 |                                                                                                                   |
|-----------------|-------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                            |
| UniProt ID      | P17735                                                                                                            |

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