

Active Recombinant Human TPST1 Protein, His-tagged

Cat. No. TPST1-1002H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPST1 (Accession # O60507) Gln26-Glu370, fused with an N-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	Gln26-Glu370
Predicted N Terminal	His
Form	Supplied as a 0.2 µ filtered solution in Tris and NaCl.
Bio-activity	Measured by its ability to transfer sulfate from PAPS to PSGL-1 peptide (Gln-Ala-Thr-Glu-Tyr-Glu-Tyr-Leu-Asp-Tyr-Asp-Phe-Leu-Pro-Glu-Thr)The specific activity is >5 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Human TPST1, His-tagged has a calculated MW of 40 kDa. In SDS-PAGE migrates as 40-50 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	TPST1 tyrosylprotein sulfotransferase 1 [Homo sapiens]
Official Symbol	TPST1
Synonyms	TPST1; tyrosylprotein sulfotransferase 1; protein-tyrosine sulfotransferase 1; TPST-1; tyrosylprotein sulfotransferase-1;
Gene ID	8460
mRNA Refseq	NM_003596
Protein Refseq	NP_003587
MIM	603125
UniProt ID	O60507
Chromosome Location	7q11.21

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