

Active Recombinant Human TPST2 Protein, His-tagged

Cat. No. TPST2-1006H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TPST2 (Accession # O60704) Gln26-Ser377, fused with an N-terminal CD33 signal sequence and a C-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Gln26-Ser377
Predicted N Terminal	No N-terminal sequence was revealed by sequencing. The Gln residue maybe blocked. Protein identity confirmed by MS analysis of tryptic fragments.
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 >20 p mol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human TPST2, 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 Colloidal Coomassie® Blue stain at 5 µg per lane.

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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).
Reconstitution	Reconstitute at 100 µg/mL in sterile 4 mM HCl containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name	TPST2 tyrosylprotein sulfotransferase 2 [Homo sapiens]
Official Symbol	TPST2
Synonyms	TPST2; tyrosylprotein sulfotransferase 2; protein-tyrosine sulfotransferase 2; TPST-2; tyrosylprotein sulfotransferase-2; tyrosylprotein phosphotransferase 2;
Gene ID	8459
mRNA Refseq	NM_001008566
Protein Refseq	NP_001008566
MIM	603126
UniProt ID	O60704
Chromosome Location	22q12.1

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