

Product datasheet for **TP762143**

GAL3ST1 (NM_004861) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human galactose-3-O-sulfotransferase 1 (GAL3ST1),Met1-Leu248, with N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Met1-Leu248) of GAL3ST1
Tag:	N-His
Predicted MW:	28.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004852
Locus ID:	9514
UniProt ID:	Q99999 , A0A024R1D7
RefSeq Size:	1791
Cytogenetics:	22q12.2
RefSeq ORF:	1269
Synonyms:	CST



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Summary:

Sulfonation, an important step in the metabolism of many drugs, xenobiotics, hormones, and neurotransmitters, is catalyzed by sulfotransferases. This gene encodes galactosylceramide sulfotransferase, which catalyzes the sulfation of membrane glycolipids including the final step in the synthesis of sulfatide, a major lipid component of the myelin sheath. This gene exhibits elevated expression in ovarian epithelial carcinoma and the encoded enzyme exhibits elevated activity in renal cell carcinoma. Mutations in this gene may be associated with reduced insulin resistance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Protein Families:

Transmembrane

Protein Pathways:

Metabolic pathways, Sphingolipid metabolism

Product images: