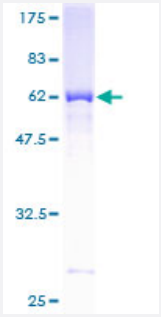
Full-Length

SULT1A3 (Human) Recombinant Protein (P01)

Catalog # H00006818-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SULT1A3 full-length ORF (AAH14471, 1 a.a. - 295 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	MELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLLINTYPKSGTTWVSQILDMIYQGGDL EKCNRAPIYVRVPFLEVNDPGEPSGLETLKDTPPPRLIKSHLPLALLPQTLLDQKVKVVYVARNPK DVAVSYYHFHRMEKAHPEPGTWDSFLEKFMAGEVSYGSWYQHVQEWWELSRTHPVLYLFYED MKENPKREIQKILEFVGRSLPEETMDFMVQHTSFKEMKKNPMTNYTTVPQELMDHSISPFMRKGM AGDWKTTFTVAQNERFDADYAEKMAGCSLSFRSEL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	58.19
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SULT1A3

Entrez GeneID	6818
GeneBank Accession#	BC014471
Protein Accession#	AAH14471
Gene Name	SULT1A3
Gene Alias	HAST, HAST3, M-PST, MGC117469, ST1A5, STM, SULT1A4, TL-PST
Gene Description	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3
Omim ID	600641
Gene Ontology	Hyperlink
Gene Summary	Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributio ns and substrate specificities. The gene structure (number and length of exons) is similar among f amily members. This gene encodes a phenol sulfotransferase with thermolabile enzyme activity. F our sulfotransferase genes are located on the p arm of chromosome 16; this gene and SULT1A4 arose from a segmental duplication. This gene is the most centromeric of the four sulfotransferase genes. Exons of this gene overlap with exons of a gene that encodes a protein containing GIY-YIG domains (GIYD1). Multiple alternatively spliced variants that encode the same protein have been described. [provided by RefSeq
Other Designations	OTTHUMP00000045747|aryl sulfotransferase|catecholamine-sulfating phenol sulfotransferase|do pamine-specific sulfotransferase|monoamine-preferring sulfotransferase|monoamine-sulfating ph enosulfotransferase|phenol sulfotransferase 1A5*4|placental estrogen su

Pathway

- Sulfur metabolism