Full-Length

SULT1A4 (Human) Recombinant Protein (P01)

Catalog # H00445329-P01 Size 50 ug

Specification

Product Description	Human SULT1A4 full-length ORF (ADR82917.1, 1 a.a. - 295 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MELIQDTSRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLLINTYPKSGTTWVSQILDMIYQGGDL EKCNRAPIYVRVPFLEVNDPGEPSGLETLKDTPPPRLIKSHLPLALLPQTLLDQKVKVVYVARNPK DVAVSYYHFHRMEKAHPEPGTWDSFLEKFMAGEVSYGSWYQHVQEWWELSRTHPVLYLFYED MKENPKREIQKILEFVGRSLPEETMDFMVQHTSFKEMKKNPMTNYTTVPQELMDHSISPFMRKGM AGDWKTTFTVAQNERFDADYAEKMAGCSLSFRSEL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.5
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — SULT1A4

Entrez GeneID	445329
GeneBank Accession#	HQ258163.1
Protein Accession#	ADR82917.1
Gene Name	SULT1A4
Gene Alias	-
Gene Description	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4
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 SULT1A3 arose from a segmental duplication. Exons of this gene overlap with exons of a gene that encode s a protein containing GIY-YIG domains (GIYD2). Multiple alternatively spliced variants that encod e the same protein have been described. [provided by RefSeq
Other Designations	aryl sulfotransferase|phenol sulfotransferase|sulfokinase

Pathway

- Sulfur metabolism