

Sulfotransferase/SULT1C4/SULT1C2 Recombinant Protein | SULT1C4/SULT1C2 recombinant protein

Recombinant Human Sulfotransferase/SULT1C4/SULT1C2 Protein

CATALOG #
AAA174032

HOST
E. coli

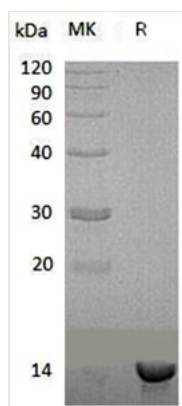
PRODUCT SYNONYMS

Sulfotransferase/SULT1C4/SULT1C2; Recombinant Human Sulfotransferase/SULT1C4/SULT1C2 Protein; SULT1C4; Sulfotransferase; SULT1C2; hCG_27301; SULT1C4/SULT1C2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 4mM HCl.
Sequence Positions	Met 1-Lys102
Sequence Length	227
Species	Human
Tag	N-6His
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Reconstitution	Centrifuge tubes before opening. Do not mix by vortex or pipetting. It is recommended that 4mM HCl (50ul) be added to the vial to prepare a stock solution of 0.2mg/mL.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20°C to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for SULT1C4/SULT1C2 recombinant protein	Human Sulfotransferase (SULT1C4) is an enzyme that in humans is encoded by the SULT1C4 gene, belongs to the sulfotransferase 1 family. SULT1C4 is expressed at high levels in fetal lung and kidney and at low levels in fetal heart, adult kidney, ovary and spinal chord. Sulfotransferase utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of drugs, xenobiotic compounds, hormones, and neurotransmitters. It shows activity towards p-nitrophenol and N-hydroxy-2-acetylamino-fluorene (N-OH-2AAF). SULT1C4 plays an important role incatalyzing the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1012443738
NCBI GeneID	27233
NCBI Accession #	NP_001308699.1
NCBI GenBank Nucleotide #	NM_001321770.1
UniProt Accession #	Q6PD90; O75897
Molecular Weight	Mol_Mass: 14.1 kDa AP_Mol_Mass: 14 kDa
NCBI Official Full Name	sulfotransferase 1C4 isoform 2
NCBI Official Synonym Full Names	sulfotransferase family 1C member 4
NCBI Official Symbol	SULT1C4
NCBI Official Synonym Symbols	SULT1C; SULT1C2
NCBI Protein Information	sulfotransferase 1C4
UniProt Protein Name	Sulfotransferase
UniProt Gene Name	SULT1C4
UniProt Synonym Gene Names	SULT1C2ImportedAutomatic assertion inferred from database entriesiEMBL:EAW53885.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.