

Recombinant Human Sulfotransferase/SULT1C4 Protein (His Tag)

Catalog No. PKSH033088

Note: Centrifuge before opening to ensure complete recovery of vial contents.

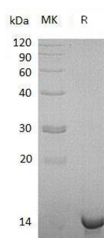
Description

Synonyms	SULT1C4;Sulfotransferase;SULT1C2;hCG_27301;;
Species	Human
Expression Host	E.coli
Sequence	Met 1-Lys102
Accession	Q6PD90
Calculated Molecular Weight	14.1 kDa
Observed molecular weight	14 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 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.
Formulation	Lyophilized from a 0.2 µm filtered solution of 10mM NaAc, pH 4.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

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,

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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.