

Recombinant Human SULT1A1 Protein (His Tag)

Catalog Number:PKSH033358



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

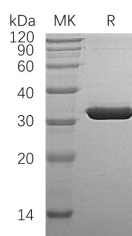
Description

Synonyms	Sulfotransferase 1A1;ST1A1;Aryl sulfotransferase 1;HAST1/HAST2;Phenol Sulfotransferase 1;Phenol-Sulfating Phenol Sulfotransferase 1;P-PST 1;ST1A3;Thermostable Phenol Sulfotransferase;Ts-PST;SULT1A1;STP;STP1;OK/SW-cl.88
Species	Human
Expression Host	E.coli
Sequence	Met 1-Leu295
Accession	AAH00923.1
Calculated Molecular Weight	35.6 kDa
Observed molecular weight	32 kDa
Tag	N-His

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	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM PB, 10% Trehalose, 50mM NaCl, 0.05% Tween 80, pH7.8.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Sulfotransferase 1A1 (SULT1A1) is a cytosolic sulfotransferases that is expressed in the liver; lung; adrenal; brain; platelets; and skin. SULT1A1 is a phenol sulfotransferases with thermostable enzyme activity. SULT1A1 utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines; phenolic drugs and neurotransmitters. It is responsible for the sulfonation and activation of minoxidil. SULT1A1 mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017