

Recombinant Human SULT1A1 Protein (His Tag)

Catalog Number: PKSH033358

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

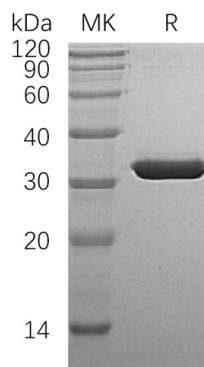
Description

Species	Human
Source	E.coli-derived Human SULT1A1 protein Met 1-Leu295, with an N-terminal His
Calculated MW	35.6 kDa
Observed MW	32 kDa
Accession	AAH00923.1
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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.