

Recombinant Human SULT1A1 Protein (His Tag)

Catalog Number: PKSH033358

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

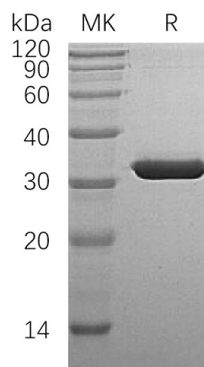
Description

| | |
|----------------------|---------------------------------------------------------------------------|
| 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.

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