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Datasheet for ABIN1692245
SULT1A3 Protein (AA 1-295) (His tag)

Overview

Quantity:	50 µg
Target:	SULT1A3
Protein Characteristics:	AA 1-295
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT1A3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sulfotransferase 1A3/SULT1A3 (N-6His)
Sequence:	MNHKVVHHHHH HMELIQDTSR PPLEYVKGVP LIKYFAEALG PLQSFQARPD DLLINTYPKS GTTWVSQILD MIYQGGDLEK CNRAPIYVRV PFLEVNDPGE PSGLETCLKDT PPPRLIKSHL PLALLPQTLL DQKVKVYVA RNPKDVAVSY YHFHRMEKAH PEPGTWDSFL EKFMAGEVSY GSWYQHVQEW WELSRTHPVL YLFYEDMKEN PKREIQKILE FVGRSLPEET MDFMVQHTSF KEMKKNPMTN YTTVPQELMD HSISPFMRKG MAGDWKTTFT VAQNERFDAD YAEKMAGCSL SFRSEL
Characteristics:	Recombinant Human Sulfotransferase 1A3/1A4/SULT1A3 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Leu295) of Human SULT1A3 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered

Product Details

Endotoxin Level: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test

Target Details

Target: SULT1A3

Alternative Name: SULT1A3 ([SULT1A3 Products](#))

Sub Type: Fusionprotein

Background: Sulfotransferase 1A3/1A4 (SULT1A3) is 295 amino acids in length and localizes to the cytoplasm. It is a member of the Sulfotransferase 1 family. SULT1A3 can be found in the liver, colon, kidney, lung, brain, spleen, small intestine, placenta, and leukocytes. SULT1A3 exists as a homodimer and it catalyzes the sulfation of phenolic monoamines, such as dopamine, norepinephrine and serotonin, and phenolic and catecholic drugs.

Alternative Names: Sulfotransferase 1A3/1A4, ST1A3/ST1A4, Aryl Sulfotransferase 1A3/1A4, Catecholamine-Sulfating Phenol Sulfotransferase, HAST3, M-PST, Monoamine-Sulfating Phenol Sulfotransferase, Placental Estrogen Sulfotransferase, Sulfotransferase Monoamine-Preferring, T

Molecular Weight: 35.6 kDa

UniProt: [P50224](#)

Pathways: [ER-Nucleus Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Reconstitution: It is not recommended to reconstitute to a concentration less than 100 μg/mL.
Dissolve the lyophilized protein in ddH₂O.
Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 μm filtered solution of 20 mM Tris, 100 mM NaCl, pH 8.0.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months