

Product datasheet for PH304478

SULT2B1 (NM_177973) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SULT2B1 MS Standard C13 and N15-labeled recombinant protein (NP_814444)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204478
Predicted MW:	41.3 kDa
Protein Sequence:	>RC204478 protein sequence Red=Cloning site Green=Tags(s)
	MDGPAEPQIPGLWDTYEDDISEISQKLPGEYFRYKGVFPFVGLYSLESISLAENTQDVRDDDIIFIITYPK SGTTWMIEIICLILKEGDPSPWIRSVPIWERAPWCETIVGAFSLPDQYSPRLMSSHLPIQIFTKAFFSSKA KVIYMGRNPRDVVSLYHYSKIAGQLKDPGTPDQFLRDFLKGEVQFGSWFDHIKGLRMKGKDNFLFITY EELQQDLQGSVERICGFLGRPLGKEALGSVVAHSTFSAMKANTMSNYTLPPSLLDHRGAFLRKGVCGD WKNHFTVAQSEAFDRAYRKQMRGMPTFPWDEDPEEDGSPDPEPSPEPEPKPSLEPNTSLEREPNNSPSP PSPGQASETPHPRPS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_814444</u>
RefSeq Size:	1228
RefSeq ORF:	1095
Synonyms:	ARCI14; HSST2
Locus ID:	6820



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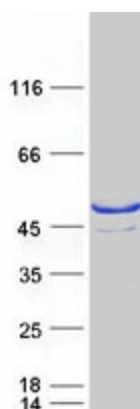
UniProt ID: [O00204](#)

Cytogenetics: 19q13.33

Summary: Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene sulfates dehydroepiandrosterone but not 4-nitrophenol, a typical substrate for the phenol and estrogen sulfotransferase subfamilies. Two alternatively spliced variants that encode different isoforms have been described. [provided by RefSeq, Jul 2008]

Protein Pathways: Androgen and estrogen metabolism, Sulfur metabolism

Product images:



Coomassie blue staining of purified SULT2B1 protein (Cat# [TP304478]). The protein was produced from HEK293T cells transfected with SULT2B1 cDNA clone (Cat# [RC204478]) using MegaTran 2.0 (Cat# [TT210002]).