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Product datasheet for TP504165

Sult1b1 (NM_019878) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse sulfotransferase family 1B, member 1 (Sult1b1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204165 protein sequence Red=Cloning site Green=Tags(s) MSASEDVWRKDLKMIHGYPMIYAFALNWERIEEFQSTPGDIVITTYPKSGTTWLSEIVDMVLNDGNVEKC KRDVITSKVPMLELSVPGIRISGVELLKKTPSPRIIKTHLPIDLLPKSFWENKCKMIYLARNGKDVAVSY YHFDLMNSINPLPGTWEEYLEKFLAGNVAYGSWFDHVKSWWEKREEHPLLYLYYEELKQNPKKEIKKIAS FLDKTLDEEALDRIVHHTSFEMMKENPLVNYTHLPTAMMDHSKSPFMRKGIVGDWKNYFTMTQTEQFD AV YKKKMSGTTLEFCTDIQSA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	34.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_063931
Locus ID:	56362
UniProt ID:	Q9QWG7

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RefSeq Size:	2604
Cytogenetics:	5 E1
RefSeq ORF:	897
Synonyms:	ST1B1; St2b2
Summary:	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates L-DOPA and D-DOPA, tyrosine isomers such as DL-m-tyrosine, dopamine and thyroid hormones.[UniProtKB/Swiss-Prot Function]