Sulfotransferase Family Cytosolic 1b Member 1 (SULT1B1) Dog Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfotransferase family cytosolic 1B member 1 (SULT1B1), Recombinant Protein
Full Product Name	Recombinant Dog Sulfotransferase family cytosolic 1B member 1 (SULT1B1)
Product Gene Name	SULT1B1 recombinant protein
Product Synonym Gene Name	SULT1B1
Sequence	MISPKDFLRK NLKMIHGYPI IYTFANNWEN IEQFHSRPDD IIIATYPKSG TTWVSEIVDM VLNNGDVEKC KRDFITVKVP MLEMAVPGLR TSGIEQLEKN PSPRLVKTHL PIALLPKSFW ENNCKMIYLA RNAKDVAVSY YHFDLMNNLE PAPGPWEEYL ERFMTGNVAY GSWFNHVKSW WKKKEEHPIL FLYYEDMKEN PKREVQKIAR FLEKNLNDEV LDKIIHHTSF EMMKDNPLVN YTHLPSTVMD HSKSSFMRKG IAGDWKNYFT VAQNEKFDVI YKKEMSGTTL QFRTEI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	34,869 Da
Sequence Positions	1-296, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q95JD5
Species	Canis familiaris (Dog) (Canis lupus familiaris)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SULT1B1 recombinant protein	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. However, the total genomic length of this gene is greater than that of other SULT1 genes.
Other Notes	Small volumes of SULT1B1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SULT1B1 purchase	MBS1331852 is a recombinant protein targeting SULT1B1. Also known as Recombinant Dog Sulfotransferase family cytosolic 1B member 1 (SULT1B1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SULT1B1. It may not necessarily be applicable to this product.

NCBI GI #	307938281

NCBI GeneID	403636
NCBI Accession #	NP_001182764.1
UniProt Primary Accession #	Q95JD5
UniProt Related Accession #	Q95JD5
GenBank Nucleotide #	NM_001195835.1
NCBI Official Full Name	sulfotransferase family cytosolic 1B member 1
NCBI Official Synonym Full Names	sulfotransferase family 1B member 1
NCBI Official Symbol	SULT1B1
NCBI Official Synonym Symbols	ST1B1; ST1B2; cSULT1B1
UniProt Protein Name	Sulfotransferase family cytosolic 1B member 1
Protein Family	Sulfotransferase family cytosolic
UniProt Gene Name	SULT1B1
UniProt Synonym Gene Names	ST1B2; ST1B1; Sulfotransferase 1B1; cSULT1B1
NCBI Protein Information	sulfotransferase family cytosolic 1B member 1
UniProt Comments for SULT1B1	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 thyroid hormones including 3,3'-diiodothyronine, 3,5,3'-triidothyronine and 3,5'-diiodothyronine (lesser degree) and phenols such as 1-naphthol and p-nitrophenol.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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