Sulfotransferase 1c2 (SULT1C2) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sulfotransferase 1C2 (Sult1c2), Recombinant Protein
Full Product Name	Recombinant Mouse Sulfotransferase 1C2 (Sult1c2)
Product Gene Name	Sult1c2 recombinant protein
Product Synonym Gene Name	Sult1c2
Sequence	MALTPELSRQ TKLKEVAGIP LQAPTVDNWR QIQTFEAKPD DLLICTYPKS GTTWIQEIVD MIEQNGDVEK CRRTIIQHRH PFIEWARPPQ PSGVDKANEM PAPRILRTHL PTQLLPPSFW TNNCKFLYVA RNAKDCMVSY YHFYRMSQVL PEPGTWDEYF ETFINGKVSW GSWFDHVKGW WEIRDKYQIL FLFYEDMKRN PKHEIQKVMQ FMGKNLDEDV VDKIVLETSF EKMKENPMTN RSTAPKSILD QSISPFMRKG TVGDWKNHFT VAQNERFDEI YKQKMGRTSL NFSMEL
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	34,953 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 Q9D939
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Sult1c2 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. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Other Notes	Small volumes of Sult1c2 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 Sult1c2 purchase	MBS1281144 is a recombinant protein targeting Sult1c2. Also known as Recombinant Mouse Sulfotransferase 1C2 (Sult1c2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Sult1c2. It may not necessarily be applicable to this product.

NCBI GI #	34328501

NCBI GeneID	69083
NCBI Accession #	NP_081211.3
UniProt Primary Accession #	Q9D939
UniProt Secondary Accession #	Q3UNA9; Q8R210
UniProt Related Accession #	Q9D939
GenBank Nucleotide #	NM_026935.4
NCBI Official Full Name	sulfotransferase 1C2
NCBI Official Synonym Full Names	sulfotransferase family, cytosolic, 1C, member 2
NCBI Official Symbol	Sult1c2
NCBI Official Synonym Symbols	ST1C1; ST1C2; Sult1c1; 1810008N17Rik
UniProt Protein Name	Sulfotransferase 1C2
Protein Family	Sulfotransferase
UniProt Gene Name	Sult1c2
UniProt Synonym Gene Names	Sult1c1; ST1C2
NCBI Protein Information	sulfotransferase 1C2
UniProt Comments for Sult1c2	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of drugs, xenobiotic compounds, hormones, and neurotransmitters.
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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