



Recombinant Mouse Non-specific lipid-transfer protein (Scp2)

Product Code	CSB-EP020856MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P32020
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MPSVALKSPR LRRVFVVGVG MTKFMKPGGE NSRDYPDMAK EAGQKALEDA QIPYSAVEQA CVGYVYGDST SGQRAIYHSL GLTGIPIN NNNCSTGSTA LFMAHQLIQG GLANCVLALG FEKMERGSIG TKFSDRTTPT DKHIEVLIDK YGLSAHPITP QMFGYAGKEH MEKYGTKVEH FAKIGWKNHK HSVNNNTYSQF QDEYSLEEVN KSKPVDFDLT ILQCCPTSDG AAAAILSSEE FVQQYGLQSK AVEIVAQEMM TDLPTFEEK SIIKVVGYDM SKEAARRCYE KSGLTNDVD VIELHDCFSV NELITYEALG LCPEGQGGTL VDRGDNTYGG KWVINPSGGL ISKGHPLGAT GLAQCAELCW QLRGEAGKRQ VPGAKVALQH NLGLGGAVVV TLYRMGFPEA ASSFRTHQVS AAPTSSAGDG FKANLVFKEI EKKLEEEGEQ FVKKIGGIFA FKVKDGPGGK EATWVVDVKN GKGSVLPNSD KKADCTITMA DSDLLALMTG KMNQSAFFQ GKLKIAGNMG LAMKLQNLQL QPGKAKL
Source	E.coli
Target Names	Scp2
Protein Names	Recommended name: Non-specific lipid-transfer protein Short name= NSL-TP EC= 2.3.1.176 Alternative name(s): Propanoyl-CoA C-acyltransferase SCP-chi SCPX Sterol carrier protein 2 Short name= SCP-2 Sterol carrier
Expression Region	1-547
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This gene encodes two proteins: sterol carrier protein X (SCPx) and sterol carrier protein 2 (SCP2), as a result of transcription initiation from 2 independently regulated promoters. The transcript initiated from the proximal promoter encodes the longer SCPx protein, and the transcript initiated from the distal promoter encodes the shorter SCP2 protein, with the 2 proteins sharing a common C-terminus. Evidence suggests that the SCPx protein is a peroxisome-associated thiolase that is involved in the oxidation of branched chain fatty acids, while the SCP2 protein is thought to be an intracellular lipid transfer protein. This gene is highly expressed in organs involved in lipid metabolism, and may play a role in Zellweger syndrome, in which cells are deficient in



peroxisomes and have impaired bile acid synthesis. Alternative splicing of this gene produces multiple transcript variants, some encoding different isoforms. The full-length nature of all transcript variants has not been determined.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.