



Recombinant Mouse Hormone-sensitive lipase (Lipe)

Product Code	CSB-EP012975MO-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P54310
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MDLRTMTQSL VTLAEDNMAF FSSQGPGETA RRLSNVFAGV REQALGLEPT LGQLLGVAAH FDLDTETPAN GYRSLVHTAR CCLAHLLHKS RYVASNRKSI FFRASHNLAE LEAYLAALTQ LRAMAYYAQR LLTINRPGVL FFEGDEGLTA DFLQEYVTLH KGCFYGRCLG FQFTPAIRPF LQTLSIGLVS FGEHYKRNET GLSVTASSLF TGGRFAIDPE LRGAEFERII QNLDVHFWKA FWNITEIEVL SSLANMASTT VRVSRLLSLP PEAFEMPLTS DPRLTVTISP PLAHTGPAPV LARLISYDLR EGQDSKVLNS LAKSEGPRLE LRPRPHQAPR SRALVVHIHG GGFVAQTSKS HEPYLKNWAQ ELGVPIFSID YSLAPEAFP RALEECFFAY CWAVKHCDLL GSTGERICLA GDSAGGNLCI TVSLRAAAYG VRVPDGIMAA YPVTTLQSSA SPSRLLSLMD PLLPLSVLSK CVSAYSGTEA EDHFSDQKA LGVMGLVQRD TSLFLRDLRL GASSWLNSFL ELSGRKPQKT TSPTAESVRP TESMRRSVSE AALAQPEGLL GTDTLKKLTI KDLNSNEPSD SPEMSQSMET LGPSTPSDVN FFLRPGNSQE EAEAKDEV RP MDGVPRVRAA FPEGFHPRRS SQGVLHMPY TSPIVKNPFM SPLAPDSML KTLPPVHLVA CALDPMLD DS VMFARRLRDL GQPVT LK VVE D LPHGFLSLA ALCRETRQAT EFCVQRIRLI LTPPAAPLN
Source	E.coli
Target Names	Lipe
Protein Names	Recommended name: Hormone-sensitive lipase Short name= HSL EC= 3.1.1.79
Expression Region	1-759
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 protein has a long and a short form, generated by use of alternative translational start codons. The long form is expressed in steroidogenic tissues such as testis, where it converts cholesteryl esters to free cholesterol for steroid hormone production. The short form is expressed in adipose tissue, among others, where it hydrolyzes stored triglycerides to free fatty acids.
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.