



Recombinant Mouse Bile salt-activated lipase (Cel)

Product Code	CSB-EP734094MO-B
Abbreviation	Cel
Storage	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.
Uniprot No.	Q64285
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	AKLGAVYTEG GFVEGVNKKL SLLGGDSVDI FKGIPFATAK TLENPQRHPG WQGTCLKATNF KKRCLQATIT QDNTYGQEDC LYLNIWVPQG RKQVSHNLPV MWIYGG AFL MGSGQGANFL KNYLYDGEEI ATRGNVIVVT FNYRVGPLGF LSTGDANLPG NFGLRDQHMA IAWVKRNIAA FGGDPDNITI FGESAGAASV SLQTLSPYNK GLIRRAISQS GMALSPWAIQ KNPLFWAKTI AKKVGCP TED TGKMAAC LKI TDPRALTLAY KLPVKKQEYP VVHYLAFIPV IDGDFIPDDP INLYNNTADI DYIAGINNMD GHLFATIDVP AVDKTKQTVT EEDFYRLVSG HTVAKGLKGA QATFDIYTES WAQDPSQENM KKT VVAFETD VLFLIPTEIA LAQHKAHAKS AKTYSYLFSH PSRMPIYPKW MGADHADDLQ YVFGKPFATP LGYRPQDRAV SKAMIAWWTN FARSGDPNMG NSPVPTHWYP YTLENGNYLD ITKTITSASM KEHLREKFLK FWAVTFEVLP TVTGDQDTLT PPEDDSEVAP DPPSDDSQVV PVPPTDDSVE AQMPATIGF
Source	E.coli
Target Names	Cel
Protein Names	Recommended name: Bile salt-activated lipase Short name= BAL EC= 3.1.1.13 EC= 3.1.1.3 Alternative name(s): Bile salt-stimulated lipase Short name= BSSL Carboxyl ester lipase Cholesterol esterase Pancreatic I
Expression Region	21-599
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 of Mature Protein
Target Details	This protein is a glycoprotein secreted from the pancreas into the digestive tract and from the lactating mammary gland into human milk. The physiological role of this protein is in cholesterol and lipid-soluble vitamin ester hydrolysis and absorption. This encoded protein promotes large chylomicron production in the intestine. Also its presence in plasma suggests its interactions with cholesterol and oxidized lipoproteins to modulate the progression of atherosclerosis. In pancreatic tumoral cells, this encoded protein is thought to be sequestered



within the Golgi compartment and is probably not secreted. This gene contains a variable number of tandem repeat (VNTR) polymorphism in the coding region that may influence the function of the encoded protein.

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

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