Datasheet for ABIN7596253

Cholesterol Esterase Protein (CEL) (AA 21-599) (His tag)

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Overview

Quantity:	500 µg
Target:	Cholesterol Esterase (CEL)
Protein Characteristics:	AA 21-599
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Cholesterol Esterase protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	AKLGAVYTEG GFVEGVNKKL SLLGGDSVDI FKGIPFATAK TLENPQRHPG WQGTLKATNF KKRCLQATIT QDNTYGQEDC LYLNIWVPQG RKQVSHNLPV MVWIYGGAFL MGSGQGANFL KNYLYDGEEI ATRGNVIVVT FNYRVGPLGF LSTGDANLPG NFGLRDQHMA IAWVKRNIAA FGGDPDNITI FGESAGAASV SLQTLSPYNK GLIRRAISQS GMALSPWAIQ KNPLFWAKTI AKKVGCPTED TGKMAACLKI TDPRALTLAY KLPVKKQEYP VVHYLAFIPV IDGDFIPDDP INLYNNTADI DYIAGINNMD GHLFATIDVP AVDKTKQTVT EEDFYRLVSG HTVAKGLKGA QATFDIYTES WAQDPSQENM KKTVVAFETD VLFLIPTEIA LAQHKAHAKS AKTYSYLFSH PSRMPIYPKW MGADHADDLQ YVFGKPFATP LGYRPQDRAV SKAMIAYWTN FARSGDPNMG NSPVPTHWYP YTLENGNYLD ITKTITSASM KEHLREKFLK FWAVTFEVLP TVTGDQDTLT PPEDDSEVAP DPPSDDSQVV PVPPTDDSVE AQMPATIGF
Purity:	> 90% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 100,000pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 umole of p-nitrophenyl butyrate to p-nitrophenol per minute at pH 7.5 at 25C

Target Details

Target:	Cholesterol Esterase (CEL)
Alternative Name:	Carboxyl Ester Lipase/CEL (CEL Products)
Background:	CEL, also known as bile salt-activated lipase, is one of the Type-B carboxyl esterase/lipase family of enzymes. It is an enzyme produced by the adult pancreas and aids in the digestion of fats. Also, it catalyzes fat and vitamin absorption and acts in concert with pancreatic lipase and colipase for the complete digestion of dietary triglycerides. This protein is highly expressed by pancreatic acinar cells and secreted into the gastrointestinal tract. Recombinant mouse CEL, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	64.5 kDa (585aa)
NCBI Accession:	NP_034015
Pathways:	Lipid Metabolism

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.