

RPPB1570

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## Product Information    Protein Information

**Product SKU:**

RPPB1570

**Accession:**

P19835

**Host:**

Human breast milk.

**Protein description:**

The Carboxyl Ester Lipase produced from Human breast milk has a molecular mass of 79.322kDa (calculated without glycosylation) containing 733 amino acid residues.

**Appearance:**

Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Bile salt-activated lipase, BAL, EC 3.1.1.13, EC 3.1.1.3, Bile salt-stimulated lipase, BSSL, Bucelipase, Carboxyl ester lipase, Cholesterol esterase, Pancreatic lysophospholipase, Sterol esterase, CEL, FAP, BSDL, CELL, FAPP, LIPA, Cease, MODY8.

**Formulation:**

CEL protein filtered (0.4µm) and lyophilized in 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl pH 7.4.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. CEL is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Stability:**

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Amino Acid Sequence:**

AKLGAVYTEG GFVEGVNKKL GLLGDSVDIF KGIPFAAPTK ALENQPHPG WQGLKAKNF KKRCLQATIT  
QDSTYGDEDC LYLNIWVPQG RKQVSRDLPV MIWIYGG AFL MGS GHGANFL NNYLYDGEEI ATRGNVIVVT  
FNYRVGPLGF LSTGDANLPG NYGLRDQHMA IAWVKRNIAA FGGDPNNITL FGESAGGASV SLQTLSPYNK  
GLIRRAISQS GVALSPWVIQ KNPLFWAKKV AEKVGCPVGD AARMAQCLKV TDPRALTLAY KVPLAGLEYP  
MLHYVGFVPV IDGDFIPADP INLYANAADI DYIAGTNMMD GHIFASIDMP AINKGNKKVT EEDFYKLVSE  
FTITKGLRGA KTTFDVYTES WAQDPSQENK KKTVDVFETD VLFLVPTIEA LAQHRANAKS AKTYAYLFSH  
PSRMPVYPKW VGADHADDIQ YVFGKPFATP TGYRPQDRTV SKAMIAYWTN FAKTGDPNMG DSAVPTHWEP  
YTTENSGYLE ITKKMGSSSM KRSLRTNFLR YWTLTYLALP TVTDQEATPV PPTGDSEATP VPPTGDSETA  
PVPPTGDSGA PPVPPTGDSG APPVPPTGDS GAPPVPPTGD SGAPPVPPTG DSGAPPVPPT GDSGAPPVPP  
TGDSGAPPVP PTGDSGAPPV PPTGDAGPPP VPPTGDSGAP PVPPTGDSGA PPVTPTGDSE TAPVPPTGDS  
GAPPVPPTGD SEAAPVPPTD DSKEAQMPAV IRF.