

Carboxyl Ester Lipase Human

Item Number	rAP-1263
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.
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.
Uniprot Accesion Number	P19835
Amino Acid Sequence	AKLGAVYTEG GFVEGVNKKL GLLGDSVDIF KGIPFAAPTK ALENPQPHPG WQGTLKAKNF KKR- CLQATIT QDSTYGDEDC LYLNIWVPQG RKQVSRDLPV MIWIYGG AFL MGS GHGANFL NNYLYDGEEI ATRGNIIVVT FN YRVGPLGF LSTGDANLPG NYGLRDQHMA IAWVKRNIAA FGGDPNNITL FGESAG- GASV SLQTLSPYNK GLIRRAISQS GVALSPWVIQ KNPLFWAKKV AEKVGC PVD AARMAQCLKV TDPRALTLAY KVPLAGLEYP MLHYVGFVPV IDGDFIPADP INLYANAADI DYIAGTNNMD GHIFASIDMP AINKGNKVT EEDFYKLVSE FTITKGLRGA KTTFDVYTES WAQDPSQENK KKTVDVFETD VLFLVPTEIA LAQHRANA KS AKTYAYLF SH PSRMPVYPKW VGADHADDIQ YVFGKPFATP TGYRPQDRTV SKAMIAY- WTN FAKTGDPNMG DSAVPTHWEP YTTENSGYLE ITKKMGSSSM KRSLRTNFLR YWTLTYLALP
Source	Human breast milk.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	CEL protein filtered (0.4µm) and lyophilized in 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
Application	
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 t
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**