

Carboxylesterase 1D Mouse Recombinant

Item Number	rAP-1088
Synonyms	Carboxylesterase 1D, Carboxylesterase 3 (EC:3.1.1.1, EC:3.1.1.67), Fatty acid ethyl ester synthase, FAEE synthase, Triacylglycerol hydrolase, TGH, CES1D.
Description	CES1D Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 555 amino acids (19-565 a.a) and having a molecular mass of 60.9kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa).CES1D is fused to an 8 amino acid His-tag at C-terminus
Uniprot Accesion Number	Q8VCT4
Amino Acid Sequence	YPSSPPVVNT VKGKVLGKYV NLEGFTQPVA VFLGVPPFAKP PLGSLRFAPP QPAEPWSFVK NTTSYPP-MCS QDAVGGQVLS ELFTNRKENI PLQFSEDCLY LNIYTPADLT KNSRLPVMVW IHGGGLVVG ASTYDGLALS AHENVVVVTI QYRLGIWGFF STGDEHSRGN WGHLDQVAALRWVQDNIANF GGNPGSVTIF GESAGGFSVS VLVLSPLAKN LFHRAISEG VSLTAALITT DVKPIAGLVA TLSGCKTTTS AVMVHCLRQK TEDELLETSL KLNLFKLDLL GNPKESYPFL PTVIDGVVLP KAPEEILAEK SFSTVPYIVG INKQEFGWII PTLMGYPLAE GKLDQKTANSLWKSYP TLK ISENMI PVVA EKYLGGTDDL TKKKDLFQDL MADVVFVGVPS VIVSRSHRDA GASTYMYEFE YRPSFVSAMR PKAVIGDHGD EIFSVFGSPF LKDGASEEET NLSKMVMKFW ANFARNGNPN GGGLPHWPEY DQKEGYLKIG ASTQAAQRLK DKEVSF-
Source	Sf9, Baculovirus cells.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	CES1D protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 80,000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of p-nitrophenyl acetate to pnitrophenol per minute at pH 7.5 at 37C.
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**