

Esterase Active Protein | CES1 active protein

Esterase (PLE), Porcine Liver - High Purity

CATALOG #
AAA11481

HOST
Porcine Liver

PRODUCT SYNONYMS

Esterase; Esterase (PLE); Porcine Liver - High Purity; Carboxylesterase; PLE; CES1 active protein

PRODUCT SPECIFICATIONS

Host	Porcine Liver
Form/Format	Powder, lyophilized from 20 mM sodium phosphate, pH 7.5
CAS Number	9016-18-6
EC Number	3.1.1.1
Appearance	Tan powder
Solubility	Clear to slightly hazy, straw to light yellow solution, may contain a small volume of precipitates (1 mg/mL saline).
Activity	120 U/mg
Unit Definition	One unit will catalyze the hydrolysis of one micromole of ethyl butyrate to butyrate and ethanol per minute at pH 8.0 and 37°C.
Protein	0.8 mg protein/mg (Coomasie)
Specific Activity	150 u/mg protein
Ammonia	≤ 0.01 micromole/mg
Reconstitution	1 mg/ml tris buffered saline. Reconstitute into provided container and centrifuge to ensure full recovery.
Handling	Handle as a potentially hazardous substance.
Preparation and Storage	Ships on blue ice. Store at -20° C. Protect from moisture. Aliquot and freeze at -20°C after reconstitution.

ADDITIONAL INFORMATION

Product Categories/Family for CES1 active protein	Proteins; Antigens; Enzymes; Standards/controls; Native Proteins; Esterase (ple)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153256
NCBI GeneID	397478
NCBI Official Full Name	esterase
NCBI Official Symbol	CES1
NCBI Official Synonym Symbols	REH; TGH; APLE; PMPMEase

NCBI Protein Information	liver carboxylesterase; retinyl ester hydrolase; triacylglycerol hydrolase; proline-beta-naphthylamidase; alternative pig liver esterase; prenylated methylated protein methyl esterase; carboxylesterase 1 (monocyte/macrophage serine esterase 1)
UniProt Protein Name	Liver carboxylesterase
UniProt Gene Name	REH
UniProt Synonym Gene Names	REH
UniProt Entry Name	EST1_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/porcine-liver-ces1-active-protein/esterase/11481>