

CLPS/Colipase Active Protein | CLPS active protein

Recombinant Human CLPS/Colipase Protein

CATALOG #
AAA281429

HOST
HEK293 Cells

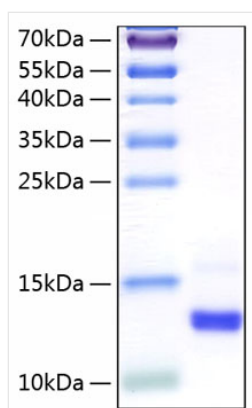
PRODUCT SYNONYMS

CLPS/Colipase; Recombinant Human CLPS/Colipase Protein; CLPS active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	≥90% as determined by SDS-PAGE.
Form/Format	Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Sequence Length	112
Species	Human
Endotoxin	< 0.1 EU/ug of the protein by LAL method.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles
Tag	C-His
Preparation and Storage	Store the lyophilized protein at -20°C to -80°C After reconstitution, the protein solution is stable at -20° for 3 months, at 2-8° for up to 1 week. Avoid repeated freeze/thaw cycles

IMAGES



SDS-PAGE

Recombinant Human CLPS/Colipase Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 13 kDa.

ADDITIONAL INFORMATION

Related Product Information for CLPS active protein	The protein is a cofactor needed by pancreatic lipase for efficient dietary lipid hydrolysis. It binds to the C-terminal, non-catalytic domain of lipase, thereby stabilizing an active conformation and considerably increasing the overall hydrophobic binding site. The gene product allows lipase to anchor noncovalently to the surface of lipid micelles, counteracting the destabilizing influence of intestinal bile salts. This cofactor is only expressed in pancreatic acinar cells, suggesting regulation of expression by tissue-specific elements. Three transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for CLPS active protein	Other Recombinant Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502895
NCBI GeneID	1208
NCBI Accession #	NP_001823
NCBI GenBank Nucleotide #	NP_001823.1
UniProt Accession #	P04118
NCBI Official Full Name	colipase isoform 1 preproprotein
NCBI Official Synonym Full Names	colipase
NCBI Official Symbol	CLPS
NCBI Protein Information	colipase
UniProt Protein Name	Colipase
UniProt Gene Name	CLPS

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.