

CES2 recombinant protein

CES2, Active

CATALOG # AAA73353	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

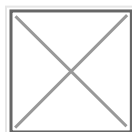
PRODUCT SYNONYMS

CES2; Active; iCE; CE-2; PCE-2; CES2A1; CES2 recombinant protein

PRODUCT SPECIFICATIONS

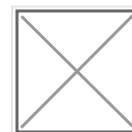
Host	Sf9 insect cells
Form/Format	50mM Tris-HCl, pH7.5, 300mM NaCl, 10mM Glutathione 0.1mM EDTA, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Applicable Applications for CES2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet

ADDITIONAL INFORMATION

Related Product Information for CES2 recombinant protein	Recombinant full length human CES2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_001365405. Carboxylesterase 2 (CES2) is a member of the carboxylesterase family, which catalyzes the hydrolysis transesterification of various xenobiotic and endogenous substrates with ester, thioester, or amide bonds to detoxify the xenobiotics and activate the prodrugs (1). CES2 is mainly expression in intestine to hydrolyze substrates with a large alcohol group and small acyl group such as aspirin, the anticancer prodrug irinotecan (CPT-11), and flutamide (2). In addition, CES2 is also involved in obesity and fatty liver disease, which is related in lipid metabolism (2).
Product Categories/Family for CES2 recombinant protein	Phospholipase C and Proteins ; Cardiovascular Disease ; Metabolic Disorder
References	1. Redinbo, M. R. and P.M. Potter. Mammalian carboxylesterases: from drug targets to protein therapeutics. (2005) Drug Discovery Today, 10:313. 2. Lian J., Nelson R., Lehner R. Carboxylesterases in lipid metabolism: from mouse to human. Protein Cell 9:178-195(2018).

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_001365405
Molecular Weight	90kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ces2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73353>