

Carboxylesterase 2 (CES2) Active Protein | CES2 active protein

Active Carboxylesterase 2 (CES2)

CATALOG # AAA153132	HOST 293F Cell	APPLICATIONS Activity Assay, Cell Culture
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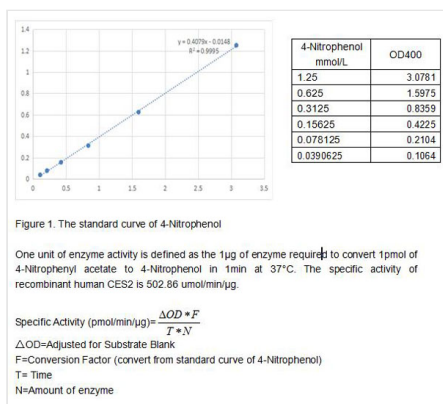
PRODUCT SYNONYMS

Carboxylesterase 2 (CES2); Active Carboxylesterase 2 (CES2); Carboxylesterase 2; CES2 active protein (eukaryotic; 293F Cell); Human; CE-2; CES2A1; PCE-2; iCE; Intestine; Liver; Methylumbelliferyl-acetate deacetylase 2; Cocaine esterase; CES2 active protein

PRODUCT SPECIFICATIONS

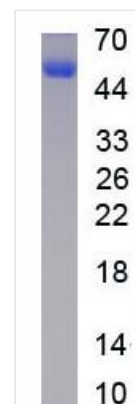
Host	293F Cell
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Gln27~Leu559
Applicable Applications for CES2 active protein	Activity Assay, Cell Culture
Expression System	Eukaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	5.3
Research Area	Enzyme & Kinase
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES



SDS-PAGE

Figure. SDS-PAGE



Bioactivity

Carboxylesterase 2 (CES2) is a member of serine esterase family which can hydrolyze ester and amide bonds. The protein Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Hydrolyzes aromatic and aliphatic ester

ADDITIONAL INFORMATION

Product Categories/Family for CES2 active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	37622885
NCBI GeneID	8824
NCBI Accession #	NP_003860.2
NCBI GenBank Nucleotide #	NM_003869.5
UniProt Accession #	O00748; Q16859; Q5MAB8; Q7Z366; Q8IUP4; Q8TCP8
Molecular Weight	61,807 Da
NCBI Official Full Name	cocaine esterase isoform 1
NCBI Official Synonym Full Names	carboxylesterase 2
NCBI Official Symbol	CES2
NCBI Official Synonym Symbols	iCE; CE-2; PCE-2; CES2A1
NCBI Protein Information	cocaine esterase; hCE-2; carboxylesterase 2 (intestine, liver); methylumbelliferyl-acetate deacetylase 2; intestinal carboxylesterase; liver carboxylesterase-2
UniProt Protein Name	Cocaine esterase
UniProt Gene Name	CES2
UniProt Synonym Gene Names	ICE; CE-2; hCE-2
UniProt Entry Name	EST2_HUMAN

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.