Datasheet for ABIN7194592

CES2 Protein (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	CES2
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CES2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse Carboxylesterase-2/CES2 Protein (His Tag)(Active)
Sequence:	Met 1-Lys 557
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CES2 (NP_663578.1) (Met 1-Lys 557) was expressed, with a polyhistidine tag at the C-terminus.
Purity:	> 85 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to hydrolyze pnitrophenylacetate. The specific activity is >90,000 pmoles/min/µg.

Target Details

Target:	CES2

Target Details

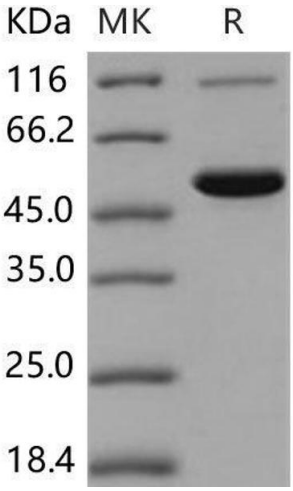
Alternative Name:	Carboxylesterase-2/CES2 (CES2 Products)
Background:	Background: Carboxylesterase 2 (CES2) is a member of the carboxylesterase family and belongs to the multigene family. Carboxylesterase 2 is responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and beroin. It also serves to hydrolyze long-chain fatty acid esters and thioesters. It is speculated that carboxylesterases may play a role in lipid metabolism and the blood-brain barrier system and together with isform 1, are a serine esterase involved in both drug metabolism and activation. Human carboxylesterase 2 is commonly expressed in tumor tissues and irinotecan, a topoisomerase I inhibitor commonly used in the treatment of many solid tumors. Synonym: ces2A3
Molecular Weight:	60.4 kDa
NCBI Accession:	NP_663578

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.