

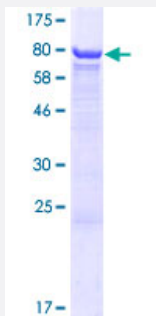
Full-Length

CES3 (Human) Recombinant Protein (P01)

Catalog # H00023491-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CES3 full-length ORF (AAH53670.1, 1 a.a. - 568 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MERAVRVESGVLVGVVCLLLACPATATGPEVAQPEVDTTLGRVRGRQVGVKGTDRLVNVFLGIP
FAQPPLGPDRFSAPHPAQPWEGVRDASTAPPMCLQDVESMNSSRFVLNGKQQIFSVSEDCLVL
NVYSPAIEVPAGSGRPVMVWHGGALITGAATSYDGSALAAYGDVVVTVQYRLGVLGFFSTGDE
HAPGNQGFLDVVAALRWVQENIAPFGGDLNCVTVFGGSAGGSIIISGLVLSPLAAGLFHRAITQSG
VITTPGIIDSHPWPLAQKIANLACSSSSPAEMVQCLQKKEGEEELVLSKKLKNTIPLTVDGTVPFK
SPKELLKEKPFHSPFLMGVNNHEFSWLIPRGWGLLDTMEQMSREDMLAISTPVLTSLDVPPPEM
MPTVIDEYLGNSDAQAKCQAFQEFMGDVFINVPTVSFSRYLRDSGSPVFFYEFQHRPSSFACIK
PAWVKADHGAEGAFVFGGPFLMDESSRLATEEEKQLSLTMMQWTHFARTGDPNSKALPPW
PQFNQAEQYLEINPVPRAGQKFREAWMQFWSETLPSKIQQWHQKQKNRKAQEDL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

88.4

Interspecies Antigen Sequence

Mouse (65)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CES3

Entrez GeneID	23491
GeneBank Accession#	BC053670.1
Protein Accession#	AAH53670.1
Gene Name	CES3
Gene Alias	ES31, FLJ21736
Gene Description	carboxylesterase 3
Omim ID	605279
Gene Ontology	Hyperlink
Gene Summary	Carboxylesterase 3 is a member of a large multigene family. The enzymes encoded by these genes are responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and heroin. They also hydrolyze long-chain fatty acid esters and thioesters. The specific function of this enzyme has not yet been determined; however, it is speculated that carboxylesterases may play a role in lipid metabolism and/or the blood-brain barrier system. [provided by RefSeq]
Other Designations	carboxylesterase 3 (brain) esterase 31 liver carboxylesterase 31