

Recombinant Human CES5A Protein, GST-tagged

Cat. No. CES5A-5238H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CES7 full-length ORF (BAB71094.1, 1 a.a. - 525 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They also participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene, also called CES5, is predominantly expressed in peripheral tissues, including brain, kidney, lung and testis. It encodes a secreted enzyme. Because of high levels in the urine of male domestic cats, this enzyme is also called cauxin (carboxylesterase-like urinary excreted protein). The enzyme functions in regulating the production of a pheromone precursor and may contribute to lipid and cholesterol transfer processes within male reproductive fluids. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]</p>
Molecular Mass	84.6 kDa
AA Sequence	MSGNWWHPGQILIWAIWVLAAPTCKGPSAEGPQRNTRLGWIQGGKQVTVLGSPVPVNV FLGVPFAAPPLGSLRFTNPQPASPWDNLREATSYPNLCLQNSEWLLLDQHMLKVHY

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PKFGVSEDCLYLNİYAPAHADTGSKLPVLVWFPGGAFKTGSASIFDGSALAAYEDVL
 VVVVQYRLGIFGFFTTWDQHAPGNWAFKDQVAALSWVQKNIEFFGGDPSSVTIFGE
 SAGAISVSSLILSPMAKGLFHKAIMESGVAIIPYLEAHDYEKSEDLQVVAHF CGNNAS
 DSEALLRCLRTKPSKELLTSQKTKSFTRVVDGAFFPNEPLDLLSQKAFKAIPSIIGVN
 NHECGFLLPMKEAPEILSGSNKSLALHLIQNILHIPPQYLHLVANEYFHDKHSLTEIRD
 SLLDLLGDVFFVVPALITARYHREGATEEEKLLSRKMMKYWATFARTGNPNGNDLSL
 WPAYNLTEQYLQLDLNMSLGQRLKEPRVDFWTSTIPLILSASDMLHSPLSSLTFLSLL
 QPFFFFCAP

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CES5A carboxylesterase 5A [Homo sapiens (human)]
Official Symbol	CES5A
Synonyms	CES7; CES5A; carboxylesterase 5A; CES5; CAUXIN; CES4C1; HEL126; carboxylesterase 5A; carboxylesterase 5; carboxylesterase 7; carboxylesterase-like urinary excreted protein homolog; epididymis luminal protein 126; EC 3.1.1.1
Gene ID	221223



mRNA Refseq [NM_001143685](#)

Protein Refseq [NP_001137157](#)

UniProt ID [Q6NT32](#)

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