

Product datasheet for **TP727345**

Ces2e Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Carboxylesterase 2E/CES2E (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Met1-His556
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMTris-HCl,150mMNaCl,pH8.0.
Note:	Recombinant Mouse Carboxylesterase 2E is produced by our Mammalian expression system and the target gene encoding Gln27-His556 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	234673
UniProt ID:	Q8BK48
Synonyms:	Pyrethroid hydrolase Ces2e; carboxylesterase 2E; Ces5
Summary:	<p>Carboxylesterase 5 (CES5), also called cauxin or CES7, is a member of carboxylesterases family which plays an important role in the hydrolysis of ester and amide bonds. Carboxylesterase is a type of enzyme that capable of hydrolyzing a variety of carboxylic acid esters and it's widely distributed in cells especially in mammalian liver. CES5 is with broad substrate specificity ranging from small molecule esters to longchain fatty acid esters and thioesters. It has been previously reported CES5 was in high concentrations in the urine (cauxin) of adult male cats, and within a protein complex of mammalian male epididymal fluids. Roles for CES5 may include regulating urinary levels of male cat pheromones, catalyzing lipid transfer reactions within mammalian male reproductive fluids, and protecting neural tissue from drugs and xenobiotics.</p>



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