Recombinant Human Carboxylesterase 3 (CES3)

Product Code	CSB-EP005260HU-B
Abbreviation	CES3
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6UWW8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	TGPE VAQPEVDTTL GRVRGRQVGV KGTDRLVNVF LGIPFAQPPL GPDRFSAPHP AQPWEGVRDA STAPPMCLQD VESMNSSRFV LNGKQQIFSV SEDCLVLNVY SPAEVPAGSG RPVMVWVHGG ALITGAATSY DGSALAAYGD VVVVTVQYRL GVLGFFSTGD EHAPGNQGFL DVVAALRWVQ ENIAPFGGDL NCVTVFGGSA GGSIISGLVL SPVAAGLFHR AITQSGVITT PGIIDSHPWP LAQKIANTLA CSSSSPAEMV QCLQQKEGEE LVLSKKLKNT IYPLTVDGTV FPKSPKELLK EKPFHSVPFL MGVNNHEFSW LIPRGWGLLD TMEQMSREDM LAISTPVLTS LDVPPEMMPT VIDEYLGSNS DAQAKCQAFQ EFMGDVFINV PTVSFSRYLR DSGSPVFFYE FQHRPSSFAK IKPAWVKADH GAEGAFVFGG PFLMDESSRL AFPEATEEEK QLSLTMMAQW THFARTGDPN SKALPPWPQF NQAEQYLEIN PVPRAGQKFR EAWMQFWSET LPSKIQQWHQ KQKNRKAQED L
Source	E.coli
Target Names	CES3
Protein Names	Recommended name: Carboxylesterase 3 EC= 3.1.1.1 Alternative name(s): Liver carboxylesterase 31 homolog
Expression Region	27-571
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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 hydrolize 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a

	concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.