

## Product datasheet for **TP322209L**

### CES3 (NM\_024922) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human carboxylesterase 3 (CES3), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC222209 representing NM\_024922

**Clone or AA** **Red**=Cloning site **Green**=Tags(s)

**Sequence:**

MERAVRVESGVLVGVVCLLLACPATATGPEVAQPEVDTTLGRVGRGRQVGVKGTDRLVNVFLGIPFAQPPL  
GPDRFSAPHPAQWEGVRDASTAPPMCLQDVESMNSSRFVLNGKQQIFSVSEDCLVLVVYSPAIEVPAGSG  
RPVMVWVHGGALITGAATSYDGSALAAAYGDVVVTVQYRLGVLGFFSTGDEHAPGNQGFLDVVAALRWVQ  
ENIAPFGGDLNCVTVFSGSAGGSIIISGLVLSVVAAGLFHRAITQSGVITTPGIIDSHPWPLAQKIANTLA  
CSSSSPAEMVQCLQKQKEGEEELVLSKCLKNTIYPLTVDGTVFPKSPKELLKEKPFHSVPFLMGVNNHEFSW  
LIPRGWLLDTMEQMSREDMLAISTPVLTSLDVPPPEMMPTVIDEYLGNSDAQAKCQAFQEFMGDVFINV  
PTVSFSRYLRDSGSPVFFYEFQHRPSSFAKIKPAWVKADHGAEGAFVFGGPFMLDESSRLAFPEATEEEK  
QLSLTMMAQWTHFARTGDPNSKALPPWPQFNQAEQYLEINPVPRAGQKFREAWMQFVSETLPSKIQQWHQ  
KQKNRKAQEDL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 62.1 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_079198](#)

**Locus ID:** 23491

**UniProt ID:** [Q6UWW8](#)

**RefSeq Size:** 3906

**Cytogenetics:** 16q22.1

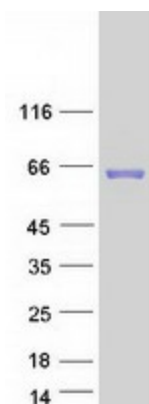
**RefSeq ORF:** 1713

**Synonyms:** ES31

**Summary:** 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 may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene is expressed in several tissues, particularly in colon, trachea and in brain, and the protein participates in colon and neural drug metabolism. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported, but the biological validity and/or full-length nature of some variants have not been determined.[provided by RefSeq, Jun 2010]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CES3 protein (Cat# [TP322209]). The protein was produced from HEK293T cells transfected with CES3 cDNA clone (Cat# [RC222209]) using MegaTran 2.0 (Cat# [TT210002]).