

## Product datasheet for **TP30309L**

### CES2 (NM\_003869) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carboxylesterase 2 (intestine, liver) (CES2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203009 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTAQRSPTTPTFPGPSQRTPLTPCPVQTPRLGKALIHCVWDPGQPLGEQQRVRRQRTETSEPTMRLHRL  
 RARLSAVACGLLLLLVRGQGQDSASPIRTHHTGQVLGSLVHVKGANAGVQTFLGIPFAKPPLGPLRFAPP  
 EPPEWSGVRDGTTHPAMCLQDLTAVESEFLSQFNMTFPSDSMSEDCLYLSIYTPAHSHEGSNLPVMVWI  
 HGGALVFGMASLYDGSMMLAALENVWVWIIQYRLGVLGFFSTGDKHATGNWGYLDQVAALRWVQVQNIHAFG  
 GNPDRVTFGESAGGTSVSSLVSPISQGLFHGAIMESGVALLPGLIASSADVISTVWANLSACDQVDSE  
 ALVGCLRGKSKEEILAINKPFKMIPGVVDGVFLPRHPQELLASADFQPVPSIVGVNNNEFGWLIPKVMRI  
 YDTQKEMDREASQAALQKMLTLLMLPPTFGDLLREEYIGDNGDPQTLQAQFQEMMADSMFVIPALQVAHF  
 QCSRAPVYFYEFQHQPWLKNIRPPHMKADHGDDELPFVFRSFFGGNYIKFTEEEEQLSRKMMKYWANFAR  
 NGNPNGEGLPHWPLFDQEEQYLQLNLQPAVGRALKAHRLQFWKKALPQKIQELEEPEERHTEL

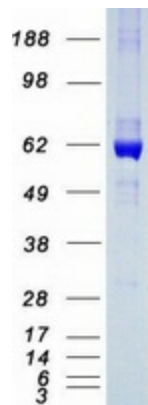
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	68.7 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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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_003860</a>
<b>Locus ID:</b>	8824
<b>UniProt ID:</b>	<a href="#">O00748</a>
<b>RefSeq Size:</b>	3955
<b>Cytogenetics:</b>	16q22.1
<b>RefSeq ORF:</b>	1869
<b>Synonyms:</b>	CE-2; CES2A1; iCE; PCE-2
<b>Summary:</b>	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. The protein encoded by this gene is the major intestinal enzyme and functions in intestine drug clearance. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2010]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Drug metabolism - other enzymes

**Product images:**

Coomassie blue staining of purified CES2 protein (Cat# [TP303009]). The protein was produced from HEK293T cells transfected with CES2 cDNA clone (Cat# [RC203009]) using MegaTran 2.0 (Cat# [TT210002]).