

Product datasheet for PH303009

CES2 (NM_003869) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CES2 MS Standard C13 and N15-labeled recombinant protein (NP_003860)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203009
Predicted MW:	68.9 kDa
Protein Sequence:	>RC203009 protein sequence Red=Cloning site Green=Tags(s)

MTAQRSRPTTPTFPGPSQRTPLTPCPVQTPRLGKALHCWTDPGQPLGEQQRVRRQRTETSEPTMRLHRL
RARLSAVACGLLLLLVRGQGDASPIRTTHTGQVLGSLVHVKGANAGVQTF LGIPFAKPPPLGPLRFAPP
EPPESWSGVRDGTTHPAMCLQDLTAVESEFLSQFNMTFPSDSMSDECLYLSIYTPAHSHEGSLPVMVWI
HGGALVFGMASLYDGSMLAALENVVVVI IQYRLGVLGFFSTGDKHATGNWGYLDQVAALRWVQQNIAHFG
GNPDRVTIFGESAGGTSVSSLVVSPI SQGLFHGAIMESGVALLPGLIASSADVISTVVANLSACDQVDSE
ALVGLRGKSKEEILAINKPFKMIPGVVDGVFLPRHPQELLASADFQPVPSIVGVNNNEFGWLIPKVMRI
YDTQKEMDREASQAALQKMLTLLMLPPTFGDLLREEYIGDNGDPQTLQAQFQEMMADSMFVIPALQVAHF
QCSRAPVYFYEFQHQP SWLKNIRPPHMKADHGDEL PFFVRSFFGGNYIKFTEEEEQLSRKMMKYWANFAR
NGNPNGEGLPHWPLFDQEEQYLQLNLQPAVGRALKAHRLQF WKKALPQKIQELEEPEERHTEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003860
RefSeq Size:	3955
RefSeq ORF:	1869



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Synonyms: CE-2; CES2A1; iCE; PCE-2

Locus ID: 8824

UniProt ID: [O00748](#)

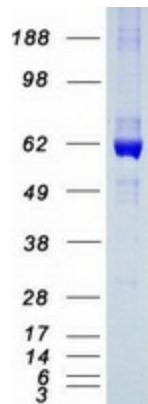
Cytogenetics: 16q22.1

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. 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]

Protein Families: Druggable Genome

Protein Pathways: 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]).