

## Product datasheet for PH323021

### CES2 (NM\_198061) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CES2 MS Standard C13 and N15-labeled recombinant protein (NP_932327)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223021
Predicted MW:	66.9 kDa
Protein Sequence:	>RC223021 representing NM_198061 Red=Cloning site Green=Tags(s)

MTAQRSRPTTPTFPGPSQRTPLTPCPVQTPRLGKALIHWCWDPGQPLGEQQRVRRQRTETSEPTMRLHRL  
RARLSAVACGLLLLLVRGQGDASPIRTTHTGQVLGSLVHVKGANAGVQTF LGIPFAKPPPLGPLRFAPP  
EPPESWSGVRDGTTHPAMCLQDLTAVESEFLSQFNMTFPSDSMSDECLYLSIYTPAHSHEGSLPVMVWI  
HGGALVFGMASLYDGSMLAALENVVVVI IQYRLGVLGFFSTGDKHATGNWGYLDQVAALRWVQQNIAHFG  
GNPDRVITIFGESAGGTSVSSLVVSPI SQGLFHGAIMESGVALLPGLIASSADVISTVVANLSACDQVDSE  
ALVGCLRKGSKEEILAINKPFKMIPGVVDGVFLPRHPQELLASADFQPVPSIVGVNNEFGWLIPKVMRI  
YDTQKEMDREASQAALQKMLTLLMLPPTFGDLLREEYIGDNGDPQTLQAQFQEMMADSMFVIPALQVAHF  
QCSRAPVYFYEFQHQP SWLKNIRPPHMKADHVKFTEEEEQLSRKMMKYWANFARNGNPNGEGLPHWPLFD  
QEEQYLQLNLQPAVGRALKAHRLQFWKKALPQKIQELEEPEERHTEL

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_932327</a>
RefSeq Size:	3909
RefSeq ORF:	1821



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

**Locus ID:** 8824

**UniProt ID:** [O00748](#)

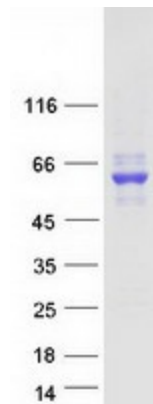
**Cytogenetics:** 16q22.1

**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# [TP323021]). The protein was produced from HEK293T cells transfected with CES2 cDNA clone (Cat# [RC223021]) using MegaTran 2.0 (Cat# [TT210002]).