

Product datasheet for PH313337

CPEB1 (NM_001079534) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | CPEB1 MS Standard C13 and N15-labeled recombinant protein (NP_001073002) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC213337 |
| Predicted MW: | 53.6 kDa |
| Protein Sequence: | >RC213337 protein sequence Red =Cloning site Green =Tags(s) |

MLFPTSAQESSRGLPDANDLCLGLQSLSLTGWDRPWSTQSDSSAQSSSTHSVLSMLHNPLGNVLGKPPLS
 FLPLDPLGSDLVDKFPAPSVRGSRDLTRPILDSRSSSPSDSTSGFSSGSDHLSDLISSLRISPPLPFLS
 LSGGGPRDPLKMGVGSMDQEQAAALAAVTPSPTSASKRWPGASVWPSWDLLEAPKDPFSIEREARLHRQA
 AAVNEATCTWSGQLPPRNYKNPIYSCKVFLGGVPWDITEAGLVNTFRVFGSLSVEWPGKDGKHPRCPPKG
 YVYLVFELEKSVRSLLQACSHDPLSPDGLSEYYFKMSSRRMRCKEVQVIPWVLADSNFVRSQRLDPSR
 TVFVGALHGMLNAEALAILNDLFGGVVYAGIDTDKHKYPIGSGRVTFNNQRSYLKAVSAAFVEIKTTKF
 TKKVQIDPYLEDLSLCHICSSQPGPFCCRDQVCFKYFCRSCWHWRHSMGLRHHSPLMRNQKNRDSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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| 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: | <u>NP_001073002</u> |
| RefSeq Size: | 3095 |
| RefSeq ORF: | 1458 |
| Synonyms: | CPE-BP1; CPEB; CPEB-1; h-CPEB; hCPEB-1 |


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Locus ID: 64506

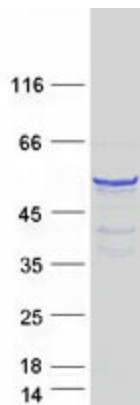
UniProt ID: [Q9BZB8](#)

Cytogenetics: 15q25.2

Summary: This gene encodes a member of the cytoplasmic polyadenylation element binding protein family. This highly conserved protein binds to a specific RNA sequence, called the cytoplasmic polyadenylation element, found in the 3' untranslated region of some mRNAs. The encoded protein functions in both the cytoplasm and the nucleus. It is involved in the regulation of mRNA translation, as well as processing of the 3' untranslated region, and may play a role in cell proliferation and tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]

Protein Pathways: Dorso-ventral axis formation, Oocyte meiosis, Progesterone-mediated oocyte maturation

Product images:



Coomassie blue staining of purified CPEB1 protein (Cat# [TP313337]). The protein was produced from HEK293T cells transfected with CPEB1 cDNA clone (Cat# [RC213337]) using MegaTran 2.0 (Cat# [TT210002]).