

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for PH301706

emopamil binding protein (EBP) (NM_006579) Human Mass Spec Standard

Product data:

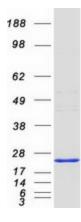
| Description:EBP MS Standard C13 and N15-labeled recombinant protein (NP_006570)Species:HumanAppension Host:HEK293Appension cDNACtionRC01706Predicted MW:CA NDPredicted MW:SRC01706 protein sequence Redictioning site Green-Tags(s)Protein Sequence:RC01700 protein sequence Redictioning site Green-Tags(s)TINAPCHPYWPQHLRLDNFVPNDRPTWHLAGLFSVTGVLVTTWLLSGRAAVVPLGTWRRLSLCWFA KOEFTHLVEEWFLVYEDLGOQAFLSQUWKEYAKGDSW1LGDWFTVCMETTTAGLWRPLSLWVLAF LTANGTURATKASKKMTag:CMy/DXFareCMy/DXFareSold statemined by SDS-PAGE and Coomassie blue stainingForgenerSold statem | Product Type: | Mass Spec Standards |
|---|-------------------|--|
| Fxpression Host:HEK293Fxpression CDNA CloopRC201706Predicted MW:6.4 kDaProtein Sequence:RC201706 protein sequence RedeCloning site Green-Tags(s)Protein Sequence:RC201706 protein sequence RedeCloning site Green-Tags(s)WTINAGPLHPYMPQHLRLDNFYDNDRPTMHILAGLFSYTGVLYTTWLLSGRAAVPLGTWRRLSLEWFAR LUNEVFDLEDGOAFLGDWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGOAFLGDWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDGWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDGWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDGWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDGWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDGWKEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKWEYXGDSGRYTLGDNFTVGHTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDKGTGDGUKESTAGGGGNGGRYTLGDNFTVGHTACLWGPLSLWVYAF LUNEVFDLEDGAAFLGDGGUKESTAGGGGNGGUKESTAGGGGGNGGUKESTAGGGGGGGUKESTAGGGGGGGUKESTAGGGGGGGUKESTAGGGGGGGUKESTAGGGGGGGUKESTAGGGGGGUKESTAGGGGGGGUKESTAGGGGGGUKESTAGGGGGGUKESTAGGGGGGGUKESTAGGGGGGGUKESTAGGGGGGGGGUGGGUGGGGGGGGGGGGGGGGGGGGGGG | Description: | EBP MS Standard C13 and N15-labeled recombinant protein (NP_006570) |
| Argession cDNA CloneRC201706Predicted MW:6.4 kDaProtein Sequence:RC201706 protein sequence Red=Cloning site Green=Tags(s)MTNAGPLHPYWPQHLRLDNFVPNDRPTWHILAGLFSVTGVLVVTWLLSGRAAVVPLGTWRRLSLCWFA VCGFTHLVIEGWFU.YYEDLLGOQAFLSQLWKEVAKODSRYILGDNFTVCMETITACLWGPLSLWVIAF LRQWPLFTLQUVSQGYYGDU/YELTEHRDGPQGELGHPLYFWFYFVFNNALWLVLPGVLVLDAVKH LTHAQSTLDAXATKAKSKKNTag:C-Myc/DDKFarrPLEQKLISEEDLAANDILDYKDDDDKVFarrPLEQKLISEEDLAANDILDYKDDDDKVGoncentration:9.005 µg/µL as determined by SDS-PAGE and Coomassie blue stainingGoncentration:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodBuffer:0.05 µg/µL as determined by microplate BCA methodStorage:Gine at -80°C. Avoid repeated freeze-thaw cycles.Stability:Stabe for 3 months from receipt of products under proper storage and handling conditions.RefSeq ORF:690RefSeq ORF:690Storage:01912; CHO2; CPX; CPXD; MENDLocus ID:10682 | Species: | Human |
| or AA Sequence:Predicted MW:6.4 kDaProtein Sequence: Red=Cloning site Green=Tags(s)MTNAGPLHPYWPQHLRLDNFVPNDRPTWHILAGLFSVTGVLVVTTWLLSGRAAVVPLGTWRLSLCWFA VCGFTHLVIEGUFVLYYEDLLGOQAFLSQLWKEVAKGDSRYILGDNFTVCMETITACLWCPLSLWVIAF LRQWPLFTILQUVSQGIYGDVLYLFEHRDCPQHGELGHPLYFWFYFVFNNALWLVLPGVLVLDAVKH LRQWPLFTILQUVSQGIYGDVLYLFEHRDCPQHGELGHPLYFWFYFVFNNALWLVLPGVLVLDAVKH LRQWPLATDLXKAKSKKNTag:C-Myc/DDKTag:C-Myc/DDKPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:05 nM Tris-HCI, 100 nM glycine, pH 7.3Storage:Store at -80°C. Avoid repeated freeze-thaw cycles.Stability:0.406570RefSeq Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Expression Host: | HEK293 |
| Protein Sequence:Rc201706 protein sequence Red=Cloning site Green=Tags(s)MTTNAGPLHPYWPQHLRLDNFVPNDRPTWHILAGLFSVTGVLVTTWLLSGRAAVVPLGTWRRLSLCWFA VCGFTHLVIEGWFVLYYEDLLGDQAFLSQLWKEYAKGDSRYILGDNFTVCMETITACLWGPLSLWVVIAF LRQMPLRFILQLVVSVQQTYGDVLYFLTEHRDGPQHGELGHPLYFWFYFVFNNALWLVLPGVLVLDAVKH LTHAQSTLDAKATKAKSKNTag:< | • | RC201706 |
| Red=Cloning site Green=Tags(s)MTTNAGPLHPYWPQHLRLDNFVPNDRPTWHILAGLFSVTGVLVVTTWLLSGRAVVPLGTWRRLSLCWFA VCGFIHLVIEGWFVLYYEDLLGDQAFLSQLWKEYAKGDSRYILGDNFTVCMETITACLWGPLSLWVVIAF LRQHPLRFILQLVVSVGQIYGDVLYFLTEHRDGFQHGELGHPLYFWFYFVFNNALWLVLPGVLVLDAVKH LTHAQSTLDAKATKAKSKKNTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 006570RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Predicted MW: | 26.4 kDa |
| VCGFIHLVIEGWF/LYYEDLLGDQAFLSQLWKEYAKGDSRYILGDNFTVCMETITACLWGPLSLWVVIAF LRQHPLRFILQL/VSVGQIYODVLYFLTEHRDGFQHGELGHPLYFWFYFVFMNALWLVLPGVLVLDAVKH LTHAQSTLDAKATKAKSKKNTag:C-Myc/DDKTag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Protein Sequence: | |
| Tag:C-Myc/DDKPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 006570RefSeq ORF:690Synonyms:CDPX2; CPX2; CPXD; MENDLocus ID:10682 | | VCGFIHLVIEGWFVLYYEDLLGDQAFLSQLWKEYAKGDSRYILGDNFTVCMETITACLWGPLSLWVVIAF LRQHPLRFILQLVVSVGQIYGDVLYFLTEHRDGFQHGELGHPLYFWFYFVFMNALWLVLPGVLVLDAVKH |
| Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingPurity:> 80% as determined by microplate BCA methodConcentration:> 0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 006570RefSeq ORF:690Synonyms:CDPX2; CPX2; CPXD; MENDLocus ID:10682 | | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Concentration:>0.05 µg/µL as determined by microplate BCA methodLabeling Method:Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 006570RefSeq Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Tag: | C-Myc/DDK |
| Labeling Method:Labeled with [U-13C6, 15N4]-L-Arginine and [U-13C6, 15N2]-L-LysineBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 006570RefSeq Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3Storage: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 006570RefSeq Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX2; MENDLocus ID:10682 | Concentration: | >0.05 μg/μL as determined by microplate BCA method |
| 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 006570RefSeq Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Labeling Method: | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| Stability:Stable for 3 months from receipt of products under proper storage and handling conditions.RefSeq:NP 006570RefSeq Size:1191RefSeq ORF:690Synonyms:CDPX2; CHO2; CPX; CPXD; MENDLocus ID:10682 | Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| RefSeq: NP 006570 RefSeq Size: 1191 RefSeq ORF: 690 Synonyms: CDPX2; CHO2; CPX; CPXD; MEND Locus ID: 10682 | Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| RefSeq Size: 1191 RefSeq ORF: 690 Synonyms: CDPX2; CHO2; CPX; CPXD; MEND Locus ID: 10682 | Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq ORF: 690 Synonyms: CDPX2; CHO2; CPX; CPXD; MEND Locus ID: 10682 | RefSeq: | <u>NP 006570</u> |
| Synonyms: CDPX2; CHO2; CPX; CPXD; MEND Locus ID: 10682 | RefSeq Size: | 1191 |
| Locus ID: 10682 | RefSeq ORF: | 690 |
| | Synonyms: | CDPX2; CHO2; CPX; CPXD; MEND |
| UniProt ID: <u>Q15125</u> , <u>A0A024QYX0</u> | Locus ID: | 10682 |
| | UniProt ID: | <u>Q15125, A0A024QYX0</u> |



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

| | emopamil binding protein (EBP) (NM_006579) Human Mass Spec Standard – PH301706 |
|------------------|---|
| Cytogenetics: | Xp11.23 |
| Summary: | The protein encoded by this gene is an integral membrane protein of the endoplasmic reticulum. It is a high affinity binding protein for the antiischemic phenylalkylamine Ca2+ antagonist [3H]emopamil and the photoaffinity label [3H]azidopamil. It is similar to sigma receptors and may be a member of a superfamily of high affinity drug-binding proteins in the endoplasmic reticulum of different tissues. This protein shares structural features with bacterial and eukaryontic drug transporting proteins. It has four putative transmembrane segments and contains two conserved glutamate residues which may be involved in the transport of cationic amphiphilics. Another prominent feature of this protein is its high content of aromatic amino acid residues (>23%) in its transmembrane segments. These aromatic amino acid residues have been suggested to be involved in the drug transport by the P-glycoprotein. Mutations in this gene cause Chondrodysplasia punctata 2 (CDPX2; also known as Conradi-Hunermann syndrome). [provided by RefSeq, Jul 2008] |
| Protein Families | : Druggable Genome, Transmembrane |
| Protein Pathway | s: Metabolic pathways, Steroid biosynthesis |

Product images:



Coomassie blue staining of purified EBP protein (Cat# [TP301706]). The protein was produced from HEK293T cells transfected with EBP cDNA clone (Cat# [RC201706]) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US