

## Product datasheet for **TP308830L**

### CPNE2 (NM\_152727) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human copine II (CPNE2), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC208830 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MAHIPSGGAPAAGAAPMGPQYCVCKVELSVSGQNLLDRDVTSKSDPFCVLFTENNGRWIEYDRTETAINN  
LNPAFSKKFVLDYHFEEVQKLKFAFDQDKSSMRLEHDFLGQFSCSLGTIVSSKKITRPLLLLNDKPAG  
KGLITIAAQELSDNRVITLSLAGRRLDKKDLFGKSDPFLEFYKPGDDGKWMLVHRTEVIKYTLDPVWKPF  
TVPLVSLCDGDMEKPIQVMCYDYDNDGGHDFIGEFQTSVSQMCEARDSVPLEFECINPKKQRKKKNYKN  
S  
GIIILRSCKINRDYSFLDYILGGCQLMFTVIGIDFTASNGNPLDPSSLHYINPMGTNEYLSAIWAVGQIIQ  
DYDSDKMFPALGFGAQLPPDWKVSHEFAINFNPTNPFCSGVDGIAQAYSACLPHIRFYGPTNFSPIVNHV  
ARFAAQATQQRATQYFILLIITDGVISDMEETRHAHVQASKLPMSIIVGVGNADFAAMEFLDGDSDRML  
RSHTGEEAARDIVQFVPFREFRNAAKETLAKAVLAELPQQVQYFKHKNLPPTNSEPA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 61 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.

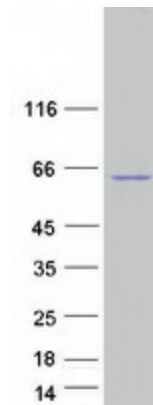
**Storage:** Store at -80°C.



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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>       | <u>NP_689940</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Locus ID:</b>     | 221184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID:</b>   | <u>Q96FN4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>  | 2252                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b> | 16q13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>   | 1644                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms:</b>     | COPN2; CPN2                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Summary:</b>      | Calcium-dependent membrane-binding proteins may regulate molecular events at the interface of the cell membrane and cytoplasm. This gene is one of several genes that encode a calcium-dependent protein containing two N-terminal type II C2 domains and an integrin A domain-like sequence in the C-terminus. Sequence analysis identified multiple alternatively spliced transcript variants but their full-length natures could not be determined. [provided by RefSeq, Jul 2008] |

### Product images:



Coomassie blue staining of purified CPNE2 protein (Cat# [TP308830]). The protein was produced from HEK293T cells transfected with CPNE2 cDNA clone (Cat# [RC208830]) using MegaTran 2.0 (Cat# [TT210002]).