

Recombinant Human CPNE1 protein, GST-tagged

Cat. No. CPNE1-11525H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human CPNE1 protein(25-289 aa), fused with N-terminal GST tag, was expressed in E.coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 25-289 aa |
| Form | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| AASequence | KSDPLCVLLQDVGGGSWAELGRTERVRNCSSPEFSKTLQLEYRFETVQKLRFGIYDI DNKTPELRDDDFLGGAECSLGQIVSSQVLTPLMLKPGKPAGRGTITVSAQELKDNR VVTMEVEARNLDKKDFLGKSDPFLEFFRQGDGKWHLVYRSEVIKNNLNPTWKRFVS PVQHFCGGNPSTPIQVQCSYDSDGSHDLIGTFHTSLAQLQAVPAEFECIHPEKQQ KKKSYKNSGTIRVKICRVETEYSFLDYVMGGCQINFTVG |
| Purity | 80%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| Storage | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid |

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

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| Gene Name | CPNE1 copine I [Homo sapiens] |
| Official Symbol | CPNE1 |
| Synonyms | CPNE1; copine I; copine-1; CPN1; COPN1; MGC1142; |
| Gene ID | 8904 |
| mRNA Refseq | NM_001198863 |
| Protein Refseq | NP_001185792 |
| MIM | 604205 |
| UniProt ID | Q99829 |

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