

Recombinant Human CRMP1, GST-tagged

Cat. No. CRMP1-11585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CRMP1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	291-537a.a.
Description	This gene encodes a member of a family of cytosolic phosphoproteins expressed exclusively in the nervous system. The encoded protein is thought to be a part of the semaphorin signal transduction pathway implicated in semaphorin-induced growth cone collapse during neural development. Alternative splicing results in multiple transcript variants.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CRMP1 collapsin response mediator protein 1 [Homo sapiens]
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Official Symbol	CRMP1
Synonyms	CRMP1; collapsin response mediator protein 1; dihydropyrimidinase-related protein 1; DPYSL1; DRP 1; dihydropyrimidinase-like 1; unc-33-like phosphoprotein 3; dihydropyrimidinase related protein-1; DRP1; DRP-1; CRMP-1; ULIP-3;
Gene ID	1400
mRNA Refseq	NM_001014809
Protein Refseq	NP_001014809
MIM	602462
UniProt ID	Q14194
Chromosome Location	4p16.1
Pathway	Axon guidance, organism-specific biosystem; CRMPs in Sema3A signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Semaphorin interactions, organism-specific biosystem;
Function	dihydropyrimidinase activity; hydrolase activity, acting on carbon-nitrogen (but not peptide) bonds, in cyclic amides; phosphoprotein binding; protein binding;