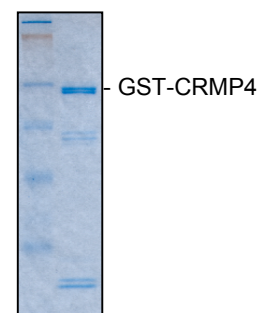


**CRMP4 [2-end], human**Collapsin response mediator protein 4  
DRP-3 dihydropyrimidinase-like 3**SU-050****Protein concentration 1.25 mg/ml****Amount 0.1mg****Purity > 70%****Batch 1**Store at  $-80^{\circ}\text{C}$ 1 $\mu\text{g}$  GST-CRMP-4 was  
separated on SDS-PAGE and  
stained with Coomassie blue.**Product description CRMP4 [2-end], human:**

The product was expressed as a GST-fusion protein in a bacterial expression system, bound to GSH-agarose and purified to near homogeneity by elution with reduced GSH and stored in 50 mM Tris-HCl pH 7.5, 20 mM GSH, 0.1 % 2-mercaptoethanol, 0.03 % Brij-35.

Calculated MW: GST-CRMP4 91116 daltons.

**Kinase assays:**

substrate for

CDK5,

DYRK

GSK3 upon priming at Ser522 by any of above

## Aminoacid sequence:

MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV  
DFLSKLP EML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
KRIEAIPOID KYLKSSKYIA WPLQGWQATF GGGDHPPKSW KFCSRGPLEV LFQGPLGSPE  
FATMDYKDDD DKSYQGKKNI PRITSDRLLI KGGRIVND DQ SFYADIYMED GLIKQIGDNL  
IVPGGVKTIE ANGKMVIPGG IDVHTHFQMP YKGMTTVDDF FQGTKAALAG GTTMIIDHVV  
PEPESSLTEA YEKREWADG KSCCDYALHV DITHWNDSVK QEVQNLIKDK GVNSFMVYMA  
YKDLYQVSNT ELYEIFTCLG ELGAIQVHA ENGDIIAQEQ TRMLEMGITG PEGHVLSRPE  
ELEAEAVFRA ITIASQTNCP LYVTKVMSKS AADLISQARK KGNVVFGEPI TASLGIDGTH  
YWSKNWAKAA AFVTSPLSP DPTTPDYINS LLASGDLQLS GSAHCTFSTA QKAIGKDNFT  
AIPEGTNGVE ERMSVIWKA VATGKMDENQ FVAVTSTNAA KIFNLYPRKG RISVGSDDL  
VIWDPDAVKI VSAKNHQSAA EYNIFEGMEL RGAPLVVICQ GKIMLEDGNL HVTQAGRFI  
PCSPFSDYVY KRIKARRKMA DLHAVPRGMY DGPVFDLTTT PKGGTPAGSA RGSPTRPNPP  
VRNLHQSGFS LSGTQVDEGV RSASKRIVAP PGGRSNITSL S

Amino acids **S2** – G570 (end) of human CRMP4.

Residue S252 of the fusion protein is equivalent to S2 of the native protein. The GST-tag can be removed with Precision Protease (registered trademark of Amersham Biosciences).

## Health and Safety

For research use only, not for clinical use or consumption.

Do not inject or feed to animals.