

# Recombinant Mouse CPR Protein (His20-Ser225), C-6×His-tagged

## Product Information

---

<b>Cat</b>	IMP-10224
<b>Official Symbol</b>	Crp
<b>Product Overview</b>	Recombinant Mouse C-Reactive protein/CRP protein (His20-Ser225) with a C-terminal 6×His tag was expressed in Mouse myeloma cell line.
<b>Description</b>	<p>The protein encoded by this gene belongs to the pentraxin family which also includes serum amyloid P component protein and pentraxin 3. Pentraxins are involved in complement activation and amplification via communication with complement initiation pattern recognition molecules, but also complement regulation via recruitment of complement regulators. The encoded protein has a calcium dependent ligand binding domain with a distinctive flattened beta-jellyroll structure. It exists in two forms as either a pentamer in circulation or as a nonsoluble monomer in tissues. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli. Elevated expression of the encoded protein is associated with severe acute respiratory syndrome coronavirus 2 infection.</p>
<b>Expression System</b>	Mouse myeloma cell line
<b>Species</b>	Mouse
<b>Tag</b>	C-6×His
<b>Predicted N Terminal</b>	His20
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in PBS.
<b>Molecular Mass</b>	Predicted Molecular Mass: 23.9 kDa (monomer) SDS-PAGE: 27 kDa, reducing conditions
<b>Protein length</b>	His20-Ser225
<b>Bio-activity</b>	Bioassay data are not available.
<b>Endotoxin</b>	
<b>Purity</b>	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Notes</b>	Oligomer

**Storage**

*Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.*

**Reconstitution**

*Reconstitute at 50 µg/mL in sterile PBS.*