Recombinant CRIP2 protein (His tag)

Catalog Number	550075
Synonyms	CRP-2; Protein ESP1
Species	Human
Expression System	E. coli
Accession	P52943
Molecular Weight	Predictes a molecular mass of 11.16 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 11 kDa band.

Product Information

Sequence Region	123-208
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 123-208 aa (P52943) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Recombinant Human Cysteine-rich protein 2 (CRP-2) Fragment (aa 123-208): A high-purity protein fragment engineered to encompass the complete LIM zinc-binding 2 domain (aa 126-178), providing an essential tool for investigating domain-specific functions in cellular signaling and protein interactions. Cysteine-rich protein 2 (CRP-2), also known as Protein ESP1 and encoded by the CRIP2 gene, is a human protein involved in zinc ion binding and protein-protein interactions through its LIM domains. While specific functional and subcellular localization details are not fully characterized in this dataset, CRP-2 belongs to a family of proteins that typically participate in regulatory processes such as cytoskeletal organization, gene expression, and signal transduction. The LIM domain-containing fragment offered here enables focused studies on the structural and functional roles of this conserved zinc-binding motif in relevant biological contexts.