Recombinant MCRI2 protein (His tag)

Catalog Number	548832
Synonyms	Protein FAM195A
Species	Human
Expression System	E. coli
Accession	Q9BUT9
Molecular Weight	Predictes a molecular mass of 12.43 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	66-160
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, 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 66-160 aa (Q9BUT9) 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 MAPK Regulated Corepressor Interacting Protein 2 (MCRIP2) Fragment (66-160) is a highly stable and soluble 95-amino acid protein fragment, ideal for structural biology and biochemical studies. This fragment was computationally designed to facilitate research on protein-protein interactions and molecular mechanisms involving FAM195A. MAPK Regulated Corepressor Interacting Protein 2 (Protein FAM195A), encoded by the MCRIP2 gene, is a human protein localized to both the cytoplasm and nucleus, with specific presence in stress granules. This dual localization suggests potential roles in cellular stress response and nuclear regulatory processes, though detailed functional data is currently limited. The selected fragment (residues 66-160) represents a structurally stable region optimized for experimental applications, supporting investigations into its molecular interactions and contributions to cellular signaling pathways.