Recombinant CC033 protein (His tag)

Catalog Number	549790
Synonyms	Protein AC3-33
Species	Human
Expression System	E. coli
Accession	Q6P1S2
Molecular Weight	Predictes a molecular mass of 20.45 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	57-221
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 57-221 aa (Q6P1S2) 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 Protein C3orf33 (AC3-33) Fragment (aa 57-221) is a high-quality, soluble protein fragment designed for structural and biochemical studies. This 165-amino acid fragment, derived from the human C3orf33 gene, represents a stable and functional unit ideal for investigating its potential role in transcription regulation via the MAPK3/MAPK1 signaling pathway. Protein C3orf33, also known as AC3-33, is a human protein with isoforms exhibiting distinct subcellular localizations. Isoform 1 is a single-pass membrane protein, while Isoform 2 is secreted and may play a role in transcription regulation by acting through the MAPK3/MAPK1 pathway via an unidentified receptor on the plasma membrane. This secreted isoform's involvement in MAPK signaling suggests potential relevance in cellular processes such as proliferation, differentiation, or stress response, making it a subject of interest for signaling and gene expression research. The recombinant fragment (aa 57-221) was computationally selected to provide a stable, soluble representation for experimental applications, supporting studies on its structure-function relationships.