Recombinant NCF1C protein (His tag)

Catalog Number	550042
Synonyms	NCF-1C; Putative SH3 and PX domain-containing protein 1C
Species	Human
Expression System	E. coli
Accession	A8MVU1
Molecular Weight	Predictes a molecular mass of 28.05 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 29 kDa band.

Product Information

Sequence Region	134-366
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 134-366 aa (A8MVU1) 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 Putative Neutrophil Cytosol Factor 1C (NCF-1C) Fragment (aa 134-366) – a high-purity protein fragment encompassing the SH3 2 domain, engineered to support studies on NADPH oxidase activation and superoxide production mechanisms. The full-length Putative Neutrophil Cytosol Factor 1C (NCF-1C) is a human protein implicated in activating the latent NADPH oxidase, a key enzyme complex required for superoxide generation in immune responses. According to functional annotations, it may play a critical role in redox signaling and host defense. The protein is localized to the cytoplasm, where it participates in cytosolic regulatory processes. This recombinant fragment spans residues 134-366 and includes the SH3 2 domain (aa 202-261), providing a targeted tool for investigating domain-specific functions in oxidase assembly and activity.