Recombinant NCF1B protein (His tag)

Catalog Number	550577
Synonyms	NCF-1B; Putative SH3 and PX domain-containing protein 1B
Species	Human
Expression System	E. coli
Accession	A6NI72
Molecular Weight	Predictes a molecular mass of 46.48 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 47 kDa band.

Product Information

Sequence Region	1-391
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 1-391 aa (A6NI72) 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 1B (NCF-1B) Fragment (1-391) is a high-purity protein designed for studying the PX and SH3 domains. This fragment supports research into NADPH oxidase activation and superoxide production mechanisms. The full-length Putative Neutrophil Cytosol Factor 1B (NCF-1B) is implicated in the activation of the latent NADPH oxidase, a key enzyme complex required for superoxide generation in immune responses. According to functional annotations, it may play a regulatory role in this process. The protein is localized to the cytoplasm, where it likely interacts with components of the NADPH oxidase system. The recombinant fragment encompassing residues 1-391 includes the PX and SH3 domains, which are critical for protein-protein interactions and membrane recruitment, making it a valuable tool for domain-specific functional studies.