Recombinant NBPF3 protein (His tag)

Catalog Number	548840
Synonyms	Neuroblastoma breakpoint family member 3; Protein AE2; Protein SHIIIa4
Species	Human
Expression System	E. coli
Accession	Q9H094
Molecular Weight	Predictes a molecular mass of 19.07 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 21 kDa band.

Product Information

Sequence Region	72-219
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 72-219 aa (Q9H094) 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 NBPF3 (72-219) is a high-quality human protein fragment designed for structural and biochemical studies. This 148-amino acid segment, derived from the neuroblastoma breakpoint family member NBPF3, was computationally optimized for stability and solubility, making it an ideal tool for investigating protein function and interactions. The full-length NBPF3 protein, also known as Neuroblastoma breakpoint family member 3, Protein AE2, or Protein SHIIIa4, is localized to the cytoplasm, as indicated by its subcellular location annotation. While a detailed functional summary is not provided, proteins in the NBPF family are generally associated with neuroblastoma and other cellular processes, and this recombinant fragment offers a focused approach to explore its biochemical properties and potential roles in relevant pathways.