Recombinant BEX5 protein (His tag)

Catalog Number	545130
Synonyms	Brain-expressed X-linked protein 5; NGFRAP1-like protein 1; Nerve growth factor receptor-associated protein 2
Species	Human
Expression System	E. coli
Accession	Q5H9J7
Molecular Weight	Predictes a molecular mass of 10.12 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12 kDa band.

Product Information

Sequence Region	40-111
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 40-111 aa (Q5H9J7) 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 BEX5 Protein Fragment (aa 40-111) - A highly stable and soluble 72-amino acid fragment of Brain-expressed X-linked protein 5, specifically engineered for structural biology and biochemical studies. This fragment represents an optimal region for investigating protein function and interactions. Protein BEX5 (Brain-expressed X-linked protein 5), also known as NGFRAP1-like protein 1 and Nerve growth factor receptor-associated protein 2, is a human protein localized to the cytoplasm. The cytoplasmic localization suggests potential roles in intracellular signaling pathways and protein-protein interactions. As a brain-expressed X-linked protein, BEX5 belongs to a family of proteins that may play important roles in neuronal development and function, though specific functional details require further characterization.