Recombinant A2012 protein (His tag)

Catalog Number	551421
Species	Human
Expression System	E. coli
Accession	Q8NF67
Molecular Weight	Predictes a molecular mass of 32.83 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 39 kDa band.

Product Information

Sequence Region	1-263
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 1-263 aa (Q8NF67) 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	This product is a high-quality recombinant protein fragment of the Putative ankyrin repeat domain-containing protein 20A12 pseudogene (ANKRD20A12P), spanning residues 1-263. The fragment has been computationally designed for optimal stability and solubility, making it an ideal reagent for structural biology studies and functional characterization. The full-length Putative ankyrin repeat domain-containing protein 20A12 pseudogene (UniProt ID: Q8NF67) is encoded by the ANKRD20A12P gene in Homo sapiens. As a pseudogene, it is a genomic locus that resembles a known gene but is thought to be non-functional due to mutations that prevent its expression or produce a non-functional product. Pseudogenes like ANKRD20A12P are of significant interest in genomic and evolutionary studies, as they can provide insights into gene duplication events, genome evolution, and may occasionally acquire regulatory functions. The specific biological function and subcellular localization of the protein product encoded by this locus, if any, are not currently characterized. This recombinant fragment represents a stable, soluble unit of the predicted protein structure, enabling researchers to probe its potential biochemical properties and three-dimensional architecture in vitro.