Recombinant ARMX2 protein (His tag)

Catalog Number	550933
Synonyms	ARM protein lost in epithelial cancers on chromosome X 2; Protein ALEX2
Species	Human
Expression System	E. coli
Accession	Q7L311
Molecular Weight	Predictes a molecular mass of 30.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band.

Product Information

Sequence Region	382-632
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>89%, 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 382-632 aa (Q7L311) 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	Introducing the recombinant human Armadillo repeat-containing X-linked protein 2 (ARMCX2/ALEX2) fragment (residues 382-632), a 251-amino acid protein designed for structural and biochemical studies. This fragment, computationally optimized for stability and solubility, supports research into mitochondrial dynamics and neural cell function. The full-length Armadillo repeat-containing X-linked protein 2 (ARMCX2) is implicated in regulating mitochondrial dynamics and distribution within neural cells, playing a potential role in cellular energy management and neuronal health. It localizes to the mitochondrial outer membrane as a single-pass membrane protein, suggesting involvement in mitochondrial organization or communication. This fragment provides a focused tool for investigating these mechanisms without domain complexities, aiding in elucidating its functional contributions.