# Recombinant ARM10 protein (His tag)

| | |
|---|---|
| **Catalog Number** | 540728 |
| **Synonyms** | Splicing variant involved in hepatocarcinogenesis protein |
| **Species** | Human |
| **Expression System** | E. coli |
| **Accession** | Q8N2F6 |
| **Molecular Weight** | Predictes a molecular mass of 29.69 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 30 kDa band. |

## Product Information

| | |
|---|---|
| **Sequence Region** | 91-343 |
| **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 91-343 aa (Q8N2F6) 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.<br>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 ARMC10 Fragment (aa 91-343) is a high-quality protein product derived from the Armadillo repeat-containing protein 10, a key regulator implicated in cell survival and growth. This specific 253-amino acid fragment has been carefully selected for its stability and solubility, making it an ideal reagent for structural studies, biochemical assays, and functional investigations in cancer research. Armadillo repeat-containing protein 10 (ARMC10) plays a significant role in cellular processes, particularly in cell survival and growth regulation. Research indicates it may function as a suppressor of p53/TP53 transcriptional activity, suggesting its involvement in oncogenic pathways. The full-length protein localizes to the endoplasmic reticulum membrane as a single-pass membrane protein, while isoform 2 specifically targets the mitochondrial outer membrane. These distinct subcellular localizations highlight ARMC10's potential involvement in multiple cellular compartments and its relevance to hepatocarcinogenesis, making it an important subject for cancer biology studies. |