Recombinant ARI3A protein (His tag)

Catalog Number	541111
Synonyms	ARID domain-containing protein 3A; B-cell regulator of IgH transcription; Bright; Dead ringer-like protein 1; E2F-binding protein 1
Species	Human
Expression System	E. coli
Accession	Q99856
Molecular Weight	Predictes a molecular mass of 16.34 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 17 kDa band.

Product Information

Sequence Region	224-348
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 224-348 aa (Q99856) 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 ARID3A (ARID Domain) Protein Fragment (aa 224-348) - A high-purity protein fragment containing the complete ARID functional domain, ideal for studying transcription factor mechanisms and B-cell differentiation pathways. ARID3A is a transcription factor involved in cell cycle progression regulation through the RB1/E2F1 pathway and plays a crucial role in B-cell differentiation. The full-length protein exhibits dynamic subcellular localization, shuttling between the nucleus and cytoplasm, indicating its regulatory functions in both cellular compartments. This nuclear-cytoplasmic shuttling suggests complex regulatory mechanisms for ARID3A's transcriptional activities in cell cycle control and immune cell development.