Recombinant MOFA1 protein (His tag)

Catalog Number	548609
Synonyms	Protein PGR1; Protein associated with MRG of 14 kDa
Species	Human
Expression System	E. coli
Accession	Q9Y605
Molecular Weight	Predictes a molecular mass of 16.30 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	1-127
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>90%, 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 1-127 aa (Q9Y605) 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 fragment of the human MORF4 family-associated protein 1 (MRFAP1), encompassing amino acids 1-127. This stable and soluble fragment is ideal for structural studies, biochemical assays, and functional investigations into protein-protein interactions. MORF4 family-associated protein 1 (MRFAP1), also known as Protein PGR1, is a human protein that localizes to the nucleus and the perinuclear region of the cytoplasm. It has been shown to colocalize with MORF4L1 in cell nuclei, suggesting a role in nuclear complexes or regulatory processes. The full-length protein's association with MORF4L1 implies potential involvement in chromatin remodeling, transcriptional regulation, or cellular senescence pathways, although specific mechanistic details are not provided here. This recombinant fragment represents a computationally optimized, stable unit for further elucidating its structural and functional properties.