Recombinant IFI44 protein (His tag)

Catalog Number	550199
Synonyms	p44; Microtubule-associated protein 44
Species	Human
Expression System	E. coli
Accession	Q8TCB0
Molecular Weight	Predictes a molecular mass of 52.15 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 54 kDa band.

Product Information

Sequence Region	1-444
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 1-444 aa (Q8TCB0) 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 Interferon-induced protein 44 (IFI44) fragment (amino acids 1-444) encompassing the complete TLDc domain. This high-quality protein is ideal for studying microtubule-associated protein functions and interferon-induced cellular responses in research applications. Interferon-induced protein 44 (IFI44), also known as Microtubule-associated protein 44, is a cytoplasmic protein that aggregates to form microtubular structures. This protein plays a role in cellular organization and structure formation, with its function being interferon-induced, suggesting involvement in immune response pathways and cellular defense mechanisms against pathogens. The full-length protein localizes to the cytoplasm where it participates in microtubule organization and cellular architecture maintenance.