Recombinant FA83A protein (His tag)

Catalog Number	543048
Synonyms	Tumor antigen BJ-TSA-9; Tumor-specific gene expressed in prostate protein
Species	Human
Expression System	E. coli
Accession	Q86UY5
Molecular Weight	Predictes a molecular mass of 21.89 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 22 kDa band.

Product Information

Sequence Region	125-300
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>87%, 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 125-300 aa (Q86UY5) 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 FAM83A Fragment (aa 125-300) is a highly stable and soluble protein fragment derived from the full-length Protein FAM83A, also known as Tumor antigen BJ-TSA-9. This fragment is specifically designed for structural and biochemical studies, offering researchers a reliable tool to investigate mitochondrial maintenance roles in adipogenesis. The full-length Protein FAM83A is involved in mitochondrial maintenance during adipogenesis, playing a critical role in preserving normal mitochondrial function. It is primarily localized in the cytoplasm, as supported by experimental evidence. FAM83A has been identified as a tumor-specific gene expressed in prostate tissue, highlighting its potential relevance in cancer research and metabolic studies.