Recombinant MEST protein (His tag)

Catalog Number	540452
Synonyms	Paternally-expressed gene 1 protein
Species	Human
Expression System	E. coli
Accession	Q5EB52
Molecular Weight	Predictes a molecular mass of 23.06 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23 kDa band.

Product Information

Sequence Region	84-265
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>88%, 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 84-265 aa (Q5EB52) 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 Mesoderm-specific transcript homolog protein (MEST) fragment (residues 84-265) is a high-quality, stable protein product designed for structural and biochemical studies. This 182-amino acid fragment was computationally selected to ensure solubility and stability, making it an ideal tool for investigating the functional domains of this important human protein. The full-length Mesoderm-specific transcript homolog protein (MEST), also known as Paternally-expressed gene 1 protein, is a multi-pass membrane protein localized to the endoplasmic reticulum membrane. While specific enzymatic function details are not fully characterized (EC 3.-.-.-), MEST is recognized as a paternally-expressed gene with potential roles in development and cellular processes. Its endoplasmic reticulum membrane localization suggests involvement in intracellular transport, protein processing, or other membrane-associated functions.