Recombinant SPMA2 protein (His tag)

Catalog Number	541440
Synonyms	Cancer/testis antigen 56; CT56; Testicular haploid expressed gene protein
Species	Human
Expression System	E. coli
Accession	Q9P2T0
Molecular Weight	Predictes a molecular mass of 20.02 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	188-347
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 188-347 aa (Q9P2T0) 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 Sperm Microtubule Associated Protein 2 (CT56) Fragment (aa 188-347) is a highly stable and soluble protein unit designed for structural and biochemical studies. This fragment, derived from the human SPMP2 gene, retains key features for investigating its potential role in spermatogenesis, offering researchers a reliable tool for functional analysis. The full-length Sperm Microtubule Associated Protein 2 (CT56) is implicated in spermatogenesis, though it is not considered essential for this process. It is predominantly localized in the nucleus of haploid round spermatids, suggesting a role in nuclear organization or gene regulation during male germ cell development. This protein is classified as a cancer/testis antigen, highlighting its expression pattern and potential relevance in reproductive biology and disease contexts.