Recombinant SPAS2 protein (His tag)

Catalog Number	551192
Synonyms	Serine-rich spermatocytes and round spermatid 59 kDa protein; p59scr
Species	Human
Expression System	E. coli
Accession	Q86XZ4
Molecular Weight	Predictes a molecular mass of 18.64 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 20 kDa band.

Product Information

Sequence Region	235-382
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 235-382 aa (Q86XZ4) 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 SPATS2 protein fragment (amino acids 235-382), representing a stable and soluble domain of the spermatogenesis-associated serine-rich protein 2 (p59scr), optimized for structural and biochemical research applications. Spermatogenesis-associated serine-rich protein 2 (SPATS2), also known as p59scr, is a 59 kDa protein implicated in male reproductive biology. While specific functional details remain to be fully characterized, its association with spermatogenesis suggests potential roles in sperm development and maturation processes. The protein is localized to the cytoplasm, indicating possible involvement in cytoplasmic signaling pathways or structural organization during spermatocyte and round spermatid development stages.