Recombinant OOSP2 protein (His tag)

Catalog Number	549008
Synonyms	Placenta-specific 1-like protein; Protein TMEM122
Species	Human
Expression System	E. coli
Accession	Q86WS3
Molecular Weight	Predictes a molecular mass of 13.54 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	18-119
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 18-119 aa (Q86WS3) 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 OOSP2 (Oocyte-secreted protein 2) Fragment (aa 18-119) is a high-quality, soluble protein designed for structural and biochemical studies. This 102-amino acid fragment, derived from the full-length protein involved in oocyte maturation, offers excellent stability and purity for research applications. OOSP2 (Oocyte-secreted protein 2), also known as Placenta-specific 1-like protein or TMEM122, plays a crucial role in oocyte maturation processes. The protein exhibits dual subcellular localization, being both secreted and present in the cytoplasm, suggesting complex regulatory functions in reproductive biology. This recombinant fragment represents a stable, soluble unit optimized for experimental investigations into the protein's structure-function relationships.