Recombinant OSP4A protein (His tag)

Catalog Number	551772
Species	Human
Expression System	E. coli
Accession	A0A2R8YFL7
Molecular Weight	Predictes a molecular mass of 13.77 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 14 kDa band.

Product Information

Sequence Region	20-125
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>86%, 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 20-125 aa (A0A2R8YFL7) 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 Oocyte-secreted protein 4A (OOSP4A) Fragment (aa 20-125). This high-purity, 106-amino acid fragment is designed for structural and biochemical studies, offering a stable and soluble unit ideal for investigating the properties of this secreted oocyte factor. Oocyte-secreted protein 4A (OOSP4A) is encoded by the OOSP4A gene in Homo sapiens. The protein is annotated as a secreted factor (SUBCELLULAR LOCATION: Secreted), indicating its primary role in extracellular signaling or function. As a protein secreted by oocytes, it is implicated in critical reproductive and developmental processes, though its precise molecular function is an active area of research. This recombinant fragment provides a defined tool to explore the protein's structure and interactions, supporting investigations into its biological significance in fertility and early development.