



Recombinant Human Outer dense fiber protein 1 (ODF1)

Product Code	CSB-EP613531HU-B
Abbreviation	ODF1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q14990
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MAALSCLLDS VRRDIKKVDR ELRQLRCIDE FSTRCLCDLY MHPYCCCDLH PYPYCLCYSK RSRSCGLCDL YPCCLCDYKL YCLRPSLRSL ERKAIRAIED EKRELAKLRR TTNRILASSC CSSNILGSVN VCGFEPDQVK VRVKDGKVCV SAERENRYDC LGSKKYSYMN ICKEFSLPPC VDEKDVTYSY GLGSCVKIES PCYPCTSPCS PCSPCSPCNP CSPCNPCSPY DPCNPCYPCG SRFSCRKMIL
Source	E.coli
Target Names	ODF1
Protein Names	Recommended name: Outer dense fiber protein 1
Expression Region	1-250
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	The outer dense fibers are cytoskeletal structures that surround the axoneme in the middle piece and principal piece of the sperm tail. The fibers function in maintaining the elastic structure and recoil of the sperm tail as well as in protecting the tail from shear forces during epididymal transport and ejaculation. Defects in the outer dense fibers lead to abnormal sperm morphology and infertility. The human outer dense fibers contains at least 10 major proteins and this gene encodes the main protein.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients,



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