

Recombinant Human OVGP1 Protein, His-tagged

Cat. No. OVGP1-2536H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OVGP1 Protein (Phe102-Lys324) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe102-Lys324
Description	This gene encodes a large, carbohydrate-rich, epithelial glycoprotein with numerous O-glycosylation sites located within threonine, serine, and proline-rich tandem repeats. The gene is similar to members of the mucin and the glycosyl hydrolase 18 gene families. Regulation of expression may be estrogen-dependent. Gene expression and protein secretion occur during late follicular development through early cleavage-stage embryonic development. The protein is secreted from non-ciliated oviductal epithelial cells and associates with ovulated oocytes, blastomeres, and spermatozoan acrosomal regions.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.3 kDa Accurate Molecular Mass: 29 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	OVGP1 oviductal glycoprotein 1, 120kDa [Homo sapiens (human)]
Official Symbol	OVGP1
Synonyms	OVGP1; oviductal glycoprotein 1, 120kDa; MUC9, mucin 9; oviduct-specific glycoprotein; CHIT5; oviductin; mucin 9; mucin-9; oviduct glycoprotein; estrogen-dependent oviduct protein; EGP; OGP; MUC9;
Gene ID	5016
mRNA Refseq	NM_002557

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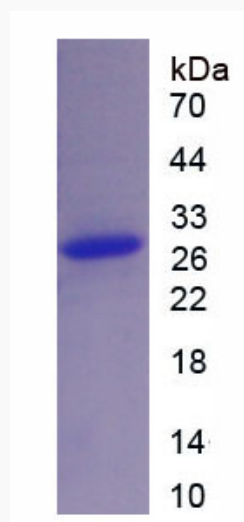
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Protein Refseq NP_002548

MIM 603578

UniProt ID Q12889



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