

Recombinant Full Length Human OVGP1 Protein, C-Flag-tagged

Cat. No. OVGP1-1014HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OVGP1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	75.2 kDa
AA Sequence	MWKLLLWVGLVVLVKHHDGAHKLVCYFTNWAHSRPGPASILPHDLDPFLCTHLIFA FASMNNNQIVAKD LQDEKILYPEFNKLKERNRELKTLLSIGGWNFGTSRFTTMLSTF ANREKFIAVISLLRTHDFDGLDLFF LYPGLRGSPMHDRWTFLLIEELLFAFRKEALL TMRPRLLLSAAVSGVPHIVQTSYDVRFLGRLLDFINV LSYDLHGSWERFTGHNSPLF

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SLPEDPKSSAYAMNYWRKLGAPSEKLIMGIPTYGRTFRLLKASKNGLQAR AIGPASP
 GKYTKQEGFLAYFEICSFVWGAKKHWIDYQYVPYANKGKEWVGVDNAISFSYKAWF
 IRREHFG GAMVWTLDMDDVRGTFCTGPFPLVYVLNDILVRAEFSSTSLPQFWLSS
 AVNSSSTDPERLAVTTAWTTD SKILPPGGEAGVTEIHGKCENMTITPRGTTVTPTKE
 TVSLGKHTVALGEKTEITGAMTMTSVGHQSMTPG EKALTPVGHQSVTTGQKTLTSV
 GYQSVTPGEKTLTPVGHQSVTPVSHQSVSPGGTTMTPVHFQTETLRQN TVAPRRK
 AVAREKVTVPSRNISVTPEGQTMPLRGENLTSEVGTHPRMGNLGLQMEAENRMML
 SSSPVIQL
 PEQTPLAFDNRFFVPIYGNHSSVNSVTPQTSPLSLKKEIPENSAVDEEATRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

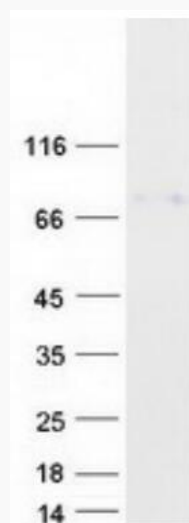
Gene Name [OVGP1 oviductal glycoprotein 1 \[Homo sapiens \(human\) \]](#)

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Official Symbol	OVGP1
Synonyms	EGP; OGP; MUC9; CHIT5
Gene ID	5016
mRNA Refseq	NM_002557.4
Protein Refseq	NP_002548.3
MIM	603578
UniProt ID	Q12889



Coomassie blue staining of purified OVGP1 protein.

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