

Recombinant Human OVGP1

Cat. No. OVGP1-30528TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human OVGP1 with a N terminal proprietary tag; Predicted MWt 36.52 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
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.
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Oviduct.
Form	Liquid
Purity	Proprietary Purification

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage buffer	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RNISVTPEGQTMPLRGENLTSEVGTHPRMGNLGLQMEAENRMMLSSSPVIQLPEQT PLAFDNRVPIYGNHSSVNSVTPQTSPLSLKKEIPENSAVDEE
Sequence Similarities	Belongs to the glycosyl hydrolase 18 family.

GENE INFORMATION

Gene Name	OVGP1 oviductal glycoprotein 1, 120kDa [Homo sapiens]
Official Symbol	OVGP1
Synonyms	OVGP1; oviductal glycoprotein 1, 120kDa; MUC9, mucin 9; oviduct-specific glycoprotein; CHIT5; oviductin;
Gene ID	5016
mRNA Refseq	NM_002557
Protein Refseq	NP_002548
MIM	603578
Uniprot ID	Q12889
Chromosome Location	1p13.2

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Function

catalytic activity; cation binding; chitinase activity;

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