Full-Length

OVGP1 (Human) Recombinant Protein (P01)

Catalog # H00005016-P01 Size 50 ug

Specification

Product Description	Human OVGP1 full-length ORF (BAG36774.1, 1 a.a. - 678 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MWKLLLWVGLVLVLKHHDGAAHKLVCYFTNWAHSRPGPASILPHDLDPFLCTHLIFAFASMNNNQ IVAKDLQDEKILYPEFNKLKERNRELKTLLSIGGWNFGTSRFTTMLSTFANREKFIASVISLLRTHDF DGLDLFFLYPGLRGSPMHDRWTFLFLIEELLFAFRKEALLTMRPRLLLSAAVSGVPHIVQTSYDVR FLGRLLDFINVLSYDLHGSWERFTGHNSPLFSLPEDPKSSAYAMNYWRKLGAPSEKLIMGIPTYGR TFRLLKASKNGLQARAIGPASPGKYTKQEGFLAYFEICSFVWGAKKHWIDYQYVPYANKGKEWVG YDNAISFSYKAWFIRREHFGGAMVWTLDMDDVRGTFCGTGPFPLVYVLNDILVRAEFSSTSLPQF WLSSAVNSSSTDPERLAVTTAWTTDSKILPPGGEAGVTEIHGKCENMTITPRGTTVTPTKETVSLG KHTVALGEKTEITGATTMTSVDHQSMTPGEKALTPVGHQSVTTGQKTLTSVGYQSVTPGEKTLTP VGHQSVSPVSHQSVSPGGTTMTPVHFQTETLRQNTVAPRRKAVAREKVTVPSRNISVTPEGQTM PLRGENLTSEVGTQPRMGNLGLQMEAENRMMLSSSPVIQLPEQTPLAFDNRFVPIYGNHSSVNS VTPQTSPLSLKKEIPENSAVDEEA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	100.98
Interspecies Antigen Sequence	Mouse (76)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OVGP1

Entrez GeneID	5016
GeneBank Accession#	AK314074.1
Protein Accession#	BAG36774.1
Gene Name	OVGP1
Gene Alias	CHIT5, EGP, MUC9, OGP
Gene Description	oviductal glycoprotein 1, 120kDa
Omim ID	603578
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	OTTHUMP00000013471|estrogen-dependent oviduct protein|mucin 9|oviduct glycoprotein|oviduct-specific glycoprotein|oviductal glycoprotein 1|oviductin