Recombinant Full Length Human EDDM3A Protein, GST-tagged

Cat. No. EDDM3A-4503HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FAM12A full-length ORF (NP_006674.2, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	147 amino acids
Description	Testicular sperm are morphologically differentiated but are not progressively motile nor able to fertilize an egg. Post-testicular maturation requires exposure of spermatozoa to the microenvironment of the epididymal lumen. Spermatozoa undergo extensive changes in the epididymis, including enzymatic modifications, loss of pre-existing components and addition of new glycoproteins from epididymal secretions. These modifying proteins and enzymes are synthesized by epithelial cells lining the epididymal duct and secreted apically into the lumen, where they come into contact with, and may be absorbed onto, the sperm membranes. The proteins encoded by the genes in this cluster are synthesized and secreted by epididymal epithelial cells. [provided by RefSeq, Jul 2008]
Molecular Mass	44 kDa
AA Sequence	MTSSLKIWGILLALLCILCRLCVYSNNIYWREFIKLHYLSPSREFKEYKCDVLMREKEA LKGKSFHMFIYSLWFKIQRACINEKGSDRYRNAYVWAPGALKVLECHWEKYNNRYT

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	ESRSFSYIEFHCGVDGYVDNIEDLRIIEPISN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EDDM3A epididymal protein 3A [Homo sapiens (human)]
Official Symbol	EDDM3A
Synonyms	EDDM3A; epididymal protein 3A; Epididymal Protein 3A; Family With Sequence Similarity 12, Member A; Human Epididymis-Specific Protein 3-Alpha; HE3-ALPHA; FAM12A; HE3A; Epididymal Secretory Protein E3-Alpha; Human Epididymis-Specific 3 Alpha; Epididymis-Specific 3 Alpha; Ribonuclease A M1; HE3ALPHA; EP3A; RAM1; epididymal secretory protein E3-alpha; epididymis-specific 3 alpha; family with sequence similarity 12, member A; human epididymis-specific 3 alpha; human epididymis-specific protein 3-alpha; ribonuclease A M1
Gene ID	10876
mRNA Refseq	NM_006683

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Protein Refseq	NP_006674
MIM	611580
UniProt ID	Q14507

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