

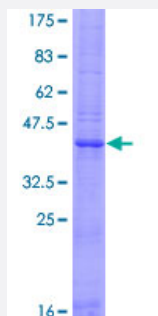
Full-Length

FAM12A (Human) Recombinant Protein (P01)

Catalog # H00010876-P01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------|--|
| Product Description | Human FAM12A full-length ORF (NP_006674.2, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | MTSSLKIWGILLALLCILRLCVYSNNIYWREFIKLHYLSPSREFKEYKCDVLMREKEALKGKSFHMFYSLWFKIQRACINEKGSDRYRNAYVWAPGALKVLECHWEKYNRYTESRSFSYIEFHCGVDGYVDNIEDLRIIEPISN |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 44 |
| Preparation Method | in vitro wheat germ expression system |
| Purification | Glutathione Sepharose 4 Fast Flow |
| Quality Control Testing | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| 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 — FAM12A

Entrez GeneID [10876](#)

GeneBank Accession# [NM_006683.4](#)

Protein Accession# [NP_006674.2](#)

Gene Name FAM12A

Gene Alias EP3A, HE3-ALPHA, HE3A, HE3ALPHA, MGC119614, MGC119615

Gene Description family with sequence similarity 12, member A

Omim ID [611580](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000164018|epididymal secretory protein E3 alpha|epididymis-specific 3 alpha|human epididymis-specific 3 alpha