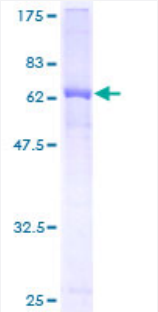
Full-Length

AMBP (Human) Recombinant Protein (P01)

Catalog # H00000259-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AMBP full-length ORF (AAH41593, 19 a.a. - 352 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AGPVPTPPDNIQVQGNFNISRIYGKWYNLAIGSTCPWLKKIMDRMTVSTLVLGEGATEAEISMTSTR WRKGVCEETSGAYEKTDTDGKFLYHKSKWNITMESYVVHTNYDEYAIFLTKKFSRHHGPTITAKLY GRAPQLRETLLQDFRVVAQGVGIPEDSIFTMADRGECVPGEQEPEPILIPRVRRAVLPQEEEGSG GGQLVTEVTKKEDSCQLGYSAGPCMGMTSRYFYNGTSMACETFQYGGCMGNGNNFVTEKECLQ TCRTVAACNLPIVRGPCRAFIQLWAFDAVKGKCVLFPYGGCQGNGNKFYSEKECREYCGVPGDG DEELLRFSN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	62.48
Interspecies Antigen Sequence	Mouse (77); Rat (77)
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.

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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 — AMBP

Entrez GeneID	259
GeneBank Accession#	BC041593
Protein Accession#	AAH41593
Gene Name	AMBP
Gene Alias	EDC1, HCP, HI30, IATIL, ITI, ITIL, ITILC, UTI
Gene Description	alpha-1-microglobulin/bikunin precursor
Omim ID	176870
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes. [provided by RefSeq
Other Designations	OTTHUMP00000021967|OTTHUMP00000063975|alpha-1-microglobulin/bikunin|bikunin|complex-forming glycoprotein heterogeneous in charge|growth-inhibiting protein 19|inter-alpha-trypsin inhibitor light chain|protein HC|trypstatin|uristatin|uronic-acid-rich protei

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Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Kidney Calculi

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