

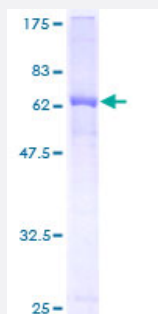
Full-Length

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
WRKGVCEETSGAYEKTDTDGKFLYHKSKNITMESYVVHTNYDEYAIFLTKKFSRHHGPTTAKLY
GRAPQLRETLQDFRVVAQGVGIPEDSIFTMADRGECPGEQEPEPILPRVRRVLPQEEEGSG
GGQLVTEVTKKEDSCQLGYSAGPCMGMTSRFYNGTSMACETFQYGGCMGNGNMFVTEKECLQ
TCRTVAACNLPVRGPCRAFIQLWAFDAVKGKCVLFPHYGGCQGNNGNKFYSEKECREYCGVPGDG
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.

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

Disease

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