

Recombinant Full Length Human AMBP Protein, C-Flag-tagged

Cat. No. AMBP-882HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AMBP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.1 kDa
AA Sequence	MRSLGALLLLLSACLAVSAGPVPTPPDNIQVQENFNISRIYGKWYNLAIGSTCPWLKK IMDRMTVSTLVL GEGATEAEISMTSTRWRKGVCEETSGAYEKTDTDGKFLYHKSK WNITMESYVVHTNYDEYAIFLTCKFSR HHGPTITAKLYGRAPQLRETLQDFRVVAQ GVGIPEDSIFTMADRGECPGEQPEPILIPRVRRAVLPQ EEEGSGGGQLVTEVTKK EDSCQLGYSAGPCMGMTSRYFYNGTSMACETFQYGGCMGNGNMFVTEKECLQT CRTVAACNLPIVRGPCRAFIQLWAFDAVKGKCVLFPYGGCQGNKFKYSEKECREY

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	CGVPGDGDEELLRF SNTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	AMBP alpha-1-microglobulin/bikunin precursor [Homo sapiens (human)]
Official Symbol	AMBP
Synonyms	A1M; HCP; ITI; UTI; EDC1; HI30; ITIL; IATIL; ITILC
Gene ID	259
mRNA Refseq	NM_001633.4

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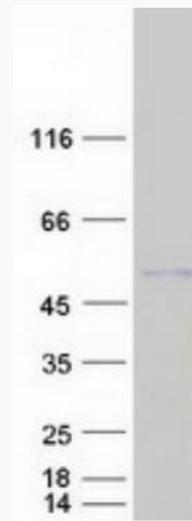
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Protein Refseq NP_001624.1

MIM 176870

UniProt ID P02760



Coomassie blue staining of purified AMBP protein.

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