

## Product datasheet for **TP505283**

### Ambp (NM\_007443) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse alpha 1 microglobulin/bikunin precursor (Ambp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205283 representing NM_007443 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MQGLRTLFLLLTACLASRADPASTLPDIQVQENFSESRIYGKWYNLAVGSTCPWLSRIKDKMSVSTLVLQ  
EGATETEISMTSTRWRRGVCEEITGAYQKTDIDGKFLYHKS KWNITLESYVVHTNYDEY AIFLTKSSH  
HGLTITAKLYGREPQLRDSLLQEFKDVALN VGISENSII FMPDRGECVPGDREVEPTSIARARRAVLPQE  
SEGSgteplITGLKKEDSCQLNYSEG PCLGMQERYYYNGASMACETFQYGGCLNGN NFISEKDC LQTC  
RTIAACNLPIVQGPCRAFIKLWAFDAAQ GKCIQFHYGGCKGNGNKFYSEKECKEYCGVPGDGYEELIRS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	39.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_031469</a>
Locus ID:	11699
UniProt ID:	<a href="#">Q07456</a>



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RefSeq Size: 1233

Cytogenetics: 4 33.96 cM

RefSeq ORF: 1047

Synonyms: AI194774; ASPI; HI-3; HI-30; I; In; Intin4; Itil; uli; UT; UTI

**Summary:** This gene encodes a fusion protein that undergoes proteolytic processing to generate two mature proteins: alpha-1-microglobulin (A1m) is a heme-binding plasma glycoprotein of the lipocalin superfamily of proteins that bind to hydrophobic molecules, whereas bikunin belongs to the superfamily of Kunitz-type protease inhibitors. The transgenic mice specifically lacking bikunin, but not A1m, exhibit female infertility and an increased sensitivity to lung metastasis. [provided by RefSeq, Oct 2015]