

## Product datasheet for TP726955

### Alpha 1 microglobulin (AMBP) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Alpha 1-Microglobulin/AMBP (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gly20-Val203
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human alpha 1-Microglobulin is produced by our Mammalian expression system and the target gene encoding Gly20-Val203 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	259
UniProt ID:	<a href="#">P02760</a>
Summary:	Protein AMBP belongs to the calycin superfamily and Lipocalin family. AMBP can be cleaved into three chains: $\alpha_1$ -1-microglobulin, inter- $\alpha_1$ -trypsin inhibitor light chain and trypstatin. AMBP is expressed by the liver and secreted in plasma. $\alpha_1$ -1-microglobulin occurs in many physiological fluids including the plasma, urine, and cerebrospinal fluid. Inter- $\alpha_1$ -trypsin inhibitor is present in the plasma and urine. $\alpha_1$ -1-microglobulin occurs as a monomer and also in complexes with IgA and albumin, Inter- $\alpha_1$ -trypsin inhibitor inhibits trypsin, plasmin and lysosomal granulocytic elastase. Trypstatin act as a trypsin inhibitor, exists in a monomer forms and also occurs as a complex with trypsinase in mast cells.


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