



# Recombinant Rat Protein AMBP (Ambp)

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| <b>Product Code</b>      | CSB-YP723730RA   |
| <b>Abbreviation</b>      | Ambp   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | Q64240   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)  |
| <b>Purity</b>            | ≥85% (SDS-PAGE)  |
| <b>Sequence</b>          | D NVPTLPDIQV QENFNARIY GKWFNLAVGS TCPWLRRIKN KMSVSTLVLQ<br>EGATEAEISV TSTQWRKGV C EEISGVYQKT DIDGKFLYHK SKWNATLESY<br>VVHTNYDEYA IFLTKKFSHR HGPTITAKLY GREPQLRDSL LQEFREVALS<br>VGIPENSIVF MADRGECVPG DREVESTSFA RA  |
| <b>Source</b>            | Yeast  |
| <b>Target Names</b>      | Ambp   |
| <b>Protein Names</b>     | Recommended name: Protein AMBP Cleaved into the following 3 chains: 1. Alpha-1-microglobulin 2. Inter-alpha-trypsin inhibitor light chain Short name= 3. ITI-LC Alternative name(s): Bikunin HI-30 Trypstatin  |
| <b>Expression Region</b> | 20-202   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.  |
| <b>Protein Length</b>    | Full Length of Mature Protein  |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.  |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.   |



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