

## Recombinant Rat A2m protein, His-tagged

**Cat. No.** A2m-5735R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat A2m aa. (Val574~Pro734 (Accession # P06238)) fused with N-terminal His tag was produced in E. coli cells.          |
| <b>Species</b>          | Rat                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                             |
| <b>ProteinLength</b>    | Val574~Pro734                                                                                                                      |
| <b>Description</b>      | Plays a role in acute phase response; activated form induces a decrease in N-methyl-D-aspartate (NMDA) mediated calcium signaling. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                |
| <b>Molecular Mass</b>   | 20kDa as determined by SDS-PAGE reducing conditions.                                                                               |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                       |
| <b>Purity</b>           | >95%                                                                                                                               |
| <b>Characteristic</b>   | The isoelectric point is 6.4.                                                                                                      |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                           |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                               |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer**

Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose, 0.01% sarcosyl.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

A2m alpha-2-macroglobulin [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

A2m

**Synonyms**

A2m; alpha-2-macroglobulin; Mam; A2m1; A2mb; A2maa; A2MAC1; alpha-2-M; alpha-2-macroglobulin-P

**Gene ID**

24153

**mRNA Refseq**

NM\_012488.2

**Protein Refseq**

NP\_036620.2

**UniProt ID**

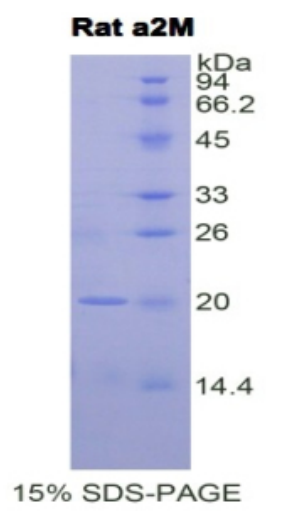
P06238

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SDS-PAGE



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