

## Recombinant Mouse Amy1, His-tagged

**Cat. No.** Amy1-3341M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alpha-amylase 1 (Amy1)                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 511                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                              |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | Small volumes of Amy1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice. |
| <b>Storage</b>          | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>   | PBS pH 7.4, 50% glycerol                                                                                                                                                                                                                                                                                      |
| <b>Warning</b>          | This product is for research use only. Not for use in diagnostic or therapeutic procedures.                                                                                                                                                                                                                   |

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

## GENE INFORMATION

|                            |                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Amy1 amylase 1, salivary [ Mus musculus ]                                                                   |
| <b>Official Symbol</b>     | Amy1                                                                                                        |
| <b>Synonyms</b>            | alpha-amylase 1; alpha amylase 1; salivary and hepatic alpha-amylase; 1,4-alpha-D-glucan glucanohydrolase 1 |
| <b>Gene ID</b>             | 11722                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001110505                                                                                                |
| <b>Protein Refseq</b>      | NP_001103975                                                                                                |
| <b>UniProt ID</b>          | P00687                                                                                                      |
| <b>Chromosome Location</b> | 3 F3; 3 49.35 cM                                                                                            |
| <b>Pathway</b>             | Carbohydrate digestion and absorption, organism-specific biosystem; Metabolism, organism-specific biosystem |
| <b>Function</b>            | alpha-amylase activity; cation binding                                                                      |

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