

## Recombinant Mouse TPSAB1 Protein (35-267 aa), His-tagged

**Cat. No.** TPSAB1-1542M    **Lot. No.** (See product label)

### SPECIFICATION

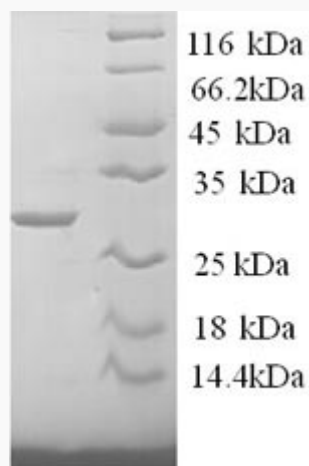
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|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse TPSAB1 Protein (35-267 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.                                                                               |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 35-267 aa                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type.                                                                                                         |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 28.1 kDa                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | AHGNKWPWQVSLRANDTYWMHFCGGLIHPQWVLTAAHCVGPDVADPNKVRVQL<br>RKQYLYYHDHLM TVSQIITHPDFYIVQDGADIALKL TNPVNISDYVHPVPLPPASETF<br>PSGTLCWVTGWGNIDNGVNLPPPFPLKEVQVPIIENHLCDLKYHKGLITGDNVHIVRD<br>DMLCAGNEGHDSCQGDSGGPLVCKVEDTWLQAGVVS WGEGCAQPNRPGIYTRVT<br>YYLDWIHH |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                           |

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>          | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b>    | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | Tpsab1 tryptase alpha/beta 1 [ Mus musculus ]                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | TPSAB1                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>         | TPSAB1; tryptase; Mcp7; Mcp-7; Mcpt7; MMCP-7; MGC18524;                                                                                                                                                                                                                                                             |
| <b>Gene ID</b>          | 100503895                                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_031187                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_112464                                                                                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>       | Q02844                                                                                                                                                                                                                                                                                                              |



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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