# Tripeptidyl-Peptidase 2 Homolog (Spap8a3.12c) (SPAP8A3.12c) Schizosaccharomyces Pombe Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Tripeptidyl-peptidase 2 homolog (SPAP8A3.12c), Recombinant Protein |
| **Full Product Name** | Recombinant Schizosaccharomyces pombe Tripeptidyl-peptidase 2 homolog (SPAP8A3.12c), partial |
| **Product Gene Name** | SPAP8A3.12c recombinant protein |
| **Product Synonym Gene Name** | SPAP8A3.12c |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 142,926 Da |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q9UT05 |
| **Species** | Schizosaccharomyces pombe (strain 972 / 24843) (Fission yeast) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for SPAP8A3.12c recombinant protein** | MBS1465933 is a recombinant protein targeting SPAP8A3.12c. Also known as Recombinant Schizosaccharomyces pombe Tripeptidyl-peptidase 2 homolog (SPAP8A3.12c), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of SPAP8A3.12c recombinant protein vial(s) 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 and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPAP8A3.12c. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 19115863 |
| **NCBI GeneID** | 2543179 |
| **NCBI Accession #** | NP_594951.1 |
| **UniProt Primary Accession #** | Q9UT05 |
| **GenBank Nucleotide #** | NM_001020382.2 |
| **NCBI Official Full Name** | tripeptidyl-peptidase II Tpp2 |
| **NCBI Official Symbol** | tpp2 |

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| **UniProt Protein Name** | Tripeptidyl-peptidase 2 homolog |
| **UniProt Synonym Protein Names** | Multicorn protease |
| **UniProt Gene Name** | tpp2 |
| **UniProt Synonym Gene Names** | TPP-2 |
| **NCBI Protein Information** | tripeptidyl-peptidase II Tpp2 |
| **UniProt Comments for SPAP8A3.12c** | MiscellaneousThe limitation of proteolytic products to tripeptides is achieved by tailoring the size of the substrate-binding cleft: the two negatively charged residues Glu-367 and Glu-393 that are blocking position P4 limit the number of residues that can be accommodated in the binding cleft and thus create a molecular ruler. At the same time, they orient substrates so that the tripeptides are removed exclusively from the N-terminus (). |
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