# Protein URE2 (URE2) Saccharomyces Douglasii Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Protein URE2 (URE2), Recombinant Protein |
| **Full Product Name** | Recombinant Saccharomyces douglasii Protein URE2 (URE2) |
| **Product Gene Name** | URE2 recombinant protein |
| **Product Synonym Gene Name** | URE2 |
| **Sequence** | MMNNNGNQVS NLSNALRQVN IGNRNSNTTT DQSNINFEFS AGVNNNNNNS SSSNNNNNNN NNAQNNNSGR NGSQSNDNGN NIKDTLEQHR QQQQAFSDMS HVEYSRITKF FQEQPLEGYT LFSHRSAPNG FKVAIVLSEL GFHYNTIFLD FNLGEHRAPE FVSVNPNARV PALIDHGMDN LSIWESGAIL LHLVNKYYKE TGNPLLWSDD LADQSQINAW LFFQTSGHAP MIGQALHFRY FHSQKIASAV ERYTDEVRRV YGVVEMALAE RREALVMELD TENAAAYSAG TTPMSQSRFF DYPVWLVGDK LTIADLAFVP WNNVVDRIGI NIKIEFPEVY KWTKHMMRRP AVIKALRGE |
| **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** | 40,658 Da |
| **Sequence Positions** | 1-359, Full length |
| **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 Q96X44 |
| **Species** | Saccharomyces douglasii (Yeast) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for URE2 recombinant protein** | MBS1410175 is a recombinant protein targeting URE2. Also known as Recombinant Saccharomyces douglasii Protein URE2 (URE2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of URE2 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 URE2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 54036609 |
| **NCBI Accession #** | Q96X44.1 |
| **UniProt Primary Accession #** | Q96X44 |
| **UniProt Secondary Accession #** | Q96X44 |

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| **UniProt Protein Name** | Protein URE2 |
| **Protein Family** | Protein |
| **UniProt Gene Name** | URE2 |
| **UniProt Comments for URE2** | Plays an important role in the cellular response to the nitrogen source. URE2 gene plays a major part in the repression of GLN1 and GDH2 genes by glutamine, and is required for the inactivation of glutamine synthetase. URE2 gene product may catalytically inactivate GLN3 in response to an increase in the intracellular concentration of glutamine (). |
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