Tyrosinase (TYR) Gorilla Gorilla Gorilla Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tyrosinase (TYR), Recombinant Protein
Full Product Name	Recombinant Gorilla gorilla gorilla Tyrosinase (TYR), partial
Product Gene Name	TYR recombinant protein
Product Synonym Gene Name	TYR
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	60,365 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 Q9BDE0
Species	Gorilla gorilla gorilla (Lowland gorilla)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TYR recombinant protein	MBS1327060 is a recombinant protein targeting TYR. Also known as Recombinant Gorilla gorilla gorilla Tyrosinase (TYR), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TYR 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 TYR. It may not necessarily be applicable to this product.

NCBI GI #	48428676
NCBI Accession #	Q9BDE0.2
UniProt Primary Accession #	Q9BDE0
UniProt Secondary Accession #	Q2KP17; Q9GLU5; Q9GLU6
NCBI Official Full Name	Tyrosinase
UniProt Protein Name	Tyrosinase
UniProt Synonym Protein Names	Monophenol monooxygenase
UniProt Gene Name	TYR

UniProt Comments for TYR	This is a copper-containing oxidase that functions in the formation of pigments such as melanins and other polyphenolic compounds. Catalyzes the initial and rate limiting step in the cascade of reactions leading to melanin production from tyrosine. In addition to hydroxylating tyrosine to DOPA (3,4-dihydroxyphenylalanine), also catalyzes the oxidation of DOPA to DOPA-quinone, and possibly the oxidation of DHI (5,6-dihydroxyindole) to indole-5,6 quinone.
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