E3 SUMO-Protein Ligase SIZ2 (NFI1) Saccharomyces Cerevisiae Recombinant Protein

PRODUCT OVERVIEW

Product Name	E3 SUMO-protein ligase SIZ2 (NFI1), Recombinant Protein
Full Product Name	Recombinant Saccharomyces cerevisiae E3 SUMO-protein ligase SIZ2 (NFI1) , partial
Product Gene Name	NFI1 recombinant protein
Product Synonym Gene Name	NFI1
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	81,178 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 Q12216
Species	Saccharomyces cerevisiae (strain 204508 / S288c) (Baker's yeast)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NFI1 recombinant protein	MBS1350053 is a recombinant protein targeting NFI1. Also known as Recombinant Saccharomyces cerevisiae E3 SUMO-protein ligase SIZ2 (NFI1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NFI1 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 NFI1. It may not necessarily be applicable to this product.

NCBI GI #	6324730
NCBI GeneID	854327
NCBI Accession #	NP_014799.1
UniProt Primary Accession #	Q12216
UniProt Secondary Accession #	D6W2L3
UniProt Related Accession #	Q12216
GenBank Nucleotide #	NM_001183575.1
NCBI Official Full Name	SUMO ligase NFI1
NCBI Official Symbol	NFI1

NCBI Official Synonym Symbols	SIZ2
UniProt Protein Name	E3 SUMO-protein ligase SIZ2
UniProt Synonym Protein Names	E3 SUMO-protein transferase SIZ2Curated; SAP and Miz-finger domain-containing protein 2
UniProt Gene Name	NFI1
UniProt Synonym Gene Names	SIZ2
NCBI Protein Information	SUMO ligase NFI1
UniProt Comments for NFI1	May act as an E3 ligase mediating SUMO/Smt3 attachment to septins. May be involved in chromosome maintenance.
Research Articles on NFI1	**1.** double-strand break relocation to the nuclear envelope depends on SUMOylation mediated by the E3 ligases Siz2 and Mms21
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