Uracil-DNA Glycosylase (ung) Shewanella Oneidensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Uracil-DNA glycosylase (ung), Recombinant Protein
Full Product Name	Recombinant Shewanella oneidensis Uracil-DNA glycosylase (ung)
Product Gene Name	ung recombinant protein
Product Synonym Gene Name	ung
Sequence	MTWPAFIDHQ RTQPYYQQLI AFVNQERQVG KVIYPPKEDV FNAFKTTPLE QVRVVLIGQD PYHGPDQAHG LCFSVKRGVK APPSLANMYK ELVNDIPGFH IPNHGDLTQW AEQGILMLNT VLTVEQGQAH SHANAGWEIF TTEALKLLNA QERPIIFVLW GSHAIKKGAV ITAPQHQILS GPHPSPLSAY RGFFGCGHFS KVNQLLMARG EAPIQWQI
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	24,434 Da
Sequence Positions	1-218, Full length protein
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 Q8EB78
Species	Shewanella oneidensis (strain MR-1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ung recombinant protein	MBS1325356 is a recombinant protein targeting ung. Also known as Recombinant Shewanella oneidensis Uracil-DNA glycosylase (ung). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ung 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 ung. It may not necessarily be applicable to this product.

NCBI GI #	24375153
NCBI GeneID	1171313
NCBI Accession #	NP_719196.1
UniProt Primary Accession #	Q8EB78
UniProt Related Accession #	Q8EB78

GenBank Nucleotide #	NC_004347.2
NCBI Official Full Name	uracil-DNA glycosylase Ung
NCBI Official Symbol	ung
UniProt Protein Name	Uracil-DNA glycosylase
Protein Family	Probable uracil-DNA glycosylase
UniProt Gene Name	ung
UniProt Synonym Gene Names	UDG
NCBI Protein Information	uracil-DNA glycosylase Ung
UniProt Comments for ung	Excises uracil residues from the DNA which can arise as a result of misincorporation of dUMP residues by DNA polymerase or due to deamination of cytosine.
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