Deoxyuridine 5'-Triphosphate Nucleotidohydrolase (ORF8) Varicella-Zoster Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase (ORF8), Recombinant Protein
Full Product Name	Recombinant Varicella-zoster virus Deoxyuridine 5'-triphosphate nucleotidohydrolase (ORF8)
Product Gene Name	ORF8 recombinant protein
Product Synonym Gene Name	ORF8
Sequence	MNEAVIDPIL ETAVNTGDMF CSQTIPNRCL KDTILIEVQP ECADTLQCVL DDKVSRHQPL LLRNHKKLEL PSEKSVTRGG FYMQQLELLV KSAPPNEYAL LLIQCKDTAL ADEDNFFVAN GVIDAGYRGV ISALLYYRPG VTVILPGHLT IYLFPVKLRQ SRLLPKNVLK HLDPIFKSIQ VQPLSNSPSN YEKPVISEFA DISTVQQGQP LHRDSAEYHI DVPLTYKHII NPKRQEDAGY DICVPYNLYL KRNEFIKIVL PIIRDWDLQH PSINAYIFGR SSKSRSGIIV CPTAWPAGEH CKFYVYNLTG DDIRIKTGDR LAQVLLIDHN TQIHLKHNVL SNIAFPYAIR GKCGIPGVQW YFTKTLDLIA TPSERGTRGF GSTDKETNDV DFLLKH
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	44,809 Da
Sequence Positions	1-396, 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 Q4JQW7
Species	Varicella-zoster virus (strain Oka vaccine) (HHV-3) (Human herpesvirus 3)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ORF8 recombinant protein	MBS1343817 is a recombinant protein targeting ORF8. Also known as Recombinant Varicella-zoster virus Deoxyuridine 5'-triphosphate nucleotidohydrolase (ORF8). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ORF8 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 ORF8. It may not necessarily be applicable to this product.

NCBI GI #	123856081
NCBI Accession #	Q4JQW7.1
UniProt Primary Accession #	Q4JQW7

NCBI Official Full Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase
UniProt Protein Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase
UniProt Synonym Protein Names	dUTP pyrophosphatase
Protein Family	DNA binding protein
UniProt Gene Name	DUT
UniProt Synonym Gene Names	dUTPase
UniProt Comments for ORF8	Involved in nucleotide metabolism: produces dUMP, the immediate precursor of thymidine nucleotides and decreases the intracellular concentration of dUTP to avoid uracil incorporation into viral DNA.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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