Deoxyuridine 5'-Triphosphate Nucleotidohydrolase (dut) Pseudomonas Fluorescens Recombinant Protein

PRODUCT OVERVIEW

Product Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase (dut), Recombinant Protein
Full Product Name	Recombinant Pseudomonas fluorescens Deoxyuridine 5'-triphosphate nucleotidohydrolase (dut)
Product Gene Name	dut recombinant protein
Product Synonym Gene Name	dut
Sequence	MHALQAKILD PRIGNEFPLP QYATPGSAGL DLRAMLKEDT LLEPGQTLLI PTGLSVYIGD PGLAALILPR SGLGHKHGIV LGNLVGLIDS DYQGELMVSC WNRGQTAFNI AVGERIAQLV LVPVVQAHFE VVEAFDESQR GAGGFGHSGS H
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	16,017 Da
Sequence Positions	1-151, 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 Q4K3S2
Species	Pseudomonas fluorescens (strain Pf-5 / BAA-477)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for dut recombinant protein	MBS1415350 is a recombinant protein targeting dut. Also known as Recombinant Pseudomonas fluorescens Deoxyuridine 5'-triphosphate nucleotidohydrolase (dut). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of dut 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 dut. It may not necessarily be applicable to this product.

NCBI GI #	499376645
NCBI Accession #	WP_011064223.1
UniProt Primary Accession #	Q4K3S2
GenBank Nucleotide #	WP_011064223.1
NCBI Official Full Name	MULTISPECIES: deoxyuridine 5'-triphosphate nucleotidohydrolase

UniProt Protein Name	Deoxyuridine 5'-triphosphate nucleotidohydrolase
UniProt Synonym Protein Names	dUTP pyrophosphatase
Protein Family	Deoxyuridine 5'-triphosphate nucleotidohydrolase
UniProt Gene Name	dut
UniProt Synonym Gene Names	dUTPase
UniProt Comments for dut	This enzyme is involved in nucleotide metabolism: it produces dUMP, the immediate precursor of thymidine nucleotides and it decreases the intracellular concentration of dUTP so that uracil cannot be incorporated into DNA.
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