Ribonucleoside-Diphosphate Reductase Small Chain (BaRF1) Epstein-Barr Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Ribonucleoside-diphosphate reductase small chain (BaRF1), Recombinant Protein
Full Product Name	Recombinant Epstein-Barr virus Ribonucleoside-diphosphate reductase small chain (BaRF1)
Product Gene Name	BaRF1 recombinant protein
Sequence	MSKLLYVRDH EGFACLTVET HRNRWFAAHI VLTKDCGCLK LLNERDLEFY KFLFTFLAMA EKLVNFNIDE LVTSFESHDI DHYYTEQKAM ENVHGETYAN ILNMLFDGDR AAMNAYAEAI MADEALQAKI SWLRDKVAAA VTLPEKILVF LLIEGIFFIS SFYSIALLRV RGLMPGICLA NNYISRDELL HTRAASLLYN SMTAKADRPR ATWIQELFRT AVEVETAFIE ARGEGVTLVD VRAIKQFLEA TADRILGDIG QAPLYGTPPP KDCPLTYMTS IKQTNFFEQE SSDYTMLVVD DL
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	34,359 Da
Sequence Positions	1-302, 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 P0CAP7
Species	Epstein-Barr virus (strain AG876) (HHV-4) (Human herpesvirus 4)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BaRF1 recombinant protein	MBS1154757 is a recombinant protein targeting BaRF1. Also known as Recombinant Epstein-Barr virus Ribonucleoside-diphosphate reductase small chain (BaRF1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of BaRF1 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 BaRF1. It may not necessarily be applicable to this product.

NCBI GI #	139424488
NCBI GeneID	5176181
NCBI Accession #	YP_001129453.1
UniProt Primary Accession #	P0CAP7

UniProt Secondary Accession #	Q777G0
GenBank Nucleotide #	NC_009334.1
NCBI Official Full Name	BaRF1
NCBI Official Symbol	HHV4tp2_gp18
UniProt Protein Name	Ribonucleoside-diphosphate reductase small subunit
UniProt Synonym Protein Names	Ribonucleotide reductase small subunit
Protein Family	Secreted protein
UniProt Gene Name	RIR2
NCBI Protein Information	ribonucleotide reductase small subunit
UniProt Comments for BaRF1	Ribonucleoside-diphosphate reductase holoenzyme provides the precursors necessary for viral DNA synthesis. Allows virus growth in non-dividing cells, as well as reactivation from latency in infected hosts. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides.
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