Protein Red (Ik) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein Red (Ik), Recombinant Protein
Full Product Name	Recombinant Rat Protein Red (Ik)
Product Gene Name	Ik recombinant protein
Product Synonym Gene Name	Ik
Sequence	MPERDSEPFS NPLAPDGHDV DDPHSFHQSK LTNEDFRKLL MTPRAAPTSA PPSKSRHHEM PREYNEDEDP AARRRKKKSY YAKLRQQEIE RERELAEKYR DRAKERRDGV NKDYEETELI STTANYRAVG PTAEADKSAA EKRRQLIQES KFLGGDMEHT HLVKGLDFAL LQKVRAEIAS KEKEEEELME KPQKETKKDE DPENKIEFKT RLGRNVYRML FKSKSYERNE LFLPGRMAYV VDLDDEYADT DIPTTLIRSK ADCPTMEAQT TLTTNDIVIS KLTQILSYLR QGTRNKKLKK KDKGKLEEKK PPEADMNIFE DIGDYVPSTT KTPRDKERER YRERERDRER DRDRERDRER DRERERERDR ERERFEEEKKR HSYFEKPKVD DEPMDVDKGP GSAKELIKSI NEKFAGSAGW EGTESLKKPE DKKQLGDFFG MSNSYAECYP ATMDDMAVDS DEEVDYSKMD QGNKKGPLGR WDFDTQEEYS EYMNNKEALP KAAFQYGIKM SEGRKTRRFK ETNDKAELDR QWKKISAIIE KRKKMEADGV EVKRPKY
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	65,588 Da
Sequence Positions	1-557, 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 Q66HG8
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ik recombinant protein	This protein was identified by its RED repeat, a stretch of repeated arginine, glutamic acid and aspartic acid residues. The protein localizes to discrete dots within the nucleus, excluding the nucleolus. Its function is unknown. This gene maps to chromosome 5; however, a pseudogene may exist on chromosome 2.
Other Notes	Small volumes of Ik 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.
Searchable Terms for Ik purchase	MBS1379464 is a recombinant protein targeting Ik. Also known as Recombinant Rat Protein Red (Ik). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Ik. It may not necessarily be applicable to this product.

NCBI GI #	53850606

NCBI GeneID	291659
NCBI Accession #	NP_001005537.1
UniProt Primary Accession #	Q66HG8
UniProt Related Accession #	Q66HG8
GenBank Nucleotide #	NM_001005537.1
NCBI Official Full Name	protein Red
NCBI Official Synonym Full Names	IK cytokine
NCBI Official Symbol	Ik
NCBI Official Synonym Symbols	RED; CSA2
UniProt Protein Name	Protein Red
UniProt Synonym Protein Names	Cytokine IK; IK factor
Protein Family	Protein
UniProt Gene Name	Ik
NCBI Protein Information	protein Red
UniProt Comments for Ik	Auxiliary spliceosomal protein that regulates selection of alternative splice sites in a small set of target pre-mRNA species. Required for normal mitotic cell cycle progression. Recruits MAD1L1 and MAD2L1 to kinetochores, and is required to trigger the spindle assembly checkpoint. Required for normal accumulation of SMU1.
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