Connector Enhancer of Kinase Suppressor of Ras 1 (CNKSR1) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Connector enhancer of kinase suppressor of ras 1 (CNKSR1), Recombinant Protein
Full Product Name	Recombinant Human Connector enhancer of kinase suppressor of ras 1 (CNKSR1)
Product Gene Name	CNKSR1 recombinant protein
Product Synonym Gene Name	CNKSR1
Sequence	MEPVETWTPG KVATWLRGLD DSLQDYPFED WQLPGKNLLQ LCPQSLEALA VRSLGHQELI LGGVEQLQAL SSRLQTENLQ SLTEGLLGAT HDFQSIVQGC LGDCAKTPID VLCAAVELLH EADALLFWLS RYLFSHLNDF SACQEIRDLL EELSQVLHED GPAAEKEGTV LRICSHVAGI CHNILVCCPK ELLEQKAVLE QVQLDSPLGL EIHTTSNCQH FVSQVDTQVP TDSRLQIQPG DEVVQINEQV VVREERDMVG WPRKNMVREL LREPAGLSLV LKKIPIPETP PQTPPQVLDS PHQRSPSLSL APLSPRAPSE DVFAFDLSSN PSPGPSPAWT DSASLGPEPL PIPPEPPAIL PAGVAGTPGL PESPDKSPVG RKKSKGLATR LSRRRVSCRE LGRPDCDGWL LLRKAPGGFM GPRWRRRWFV LKGHTLYWYR QPQDEKAEGL INVSNYSLES GHDQKKKYVF QLTHDVYKPF IFAADTLTDL SMWVRHLITC ISKYQSPGRA PPPREEDCYS ETEAEDPDDE AGSHSASPSP AQAGSPLHGD TSPAATPTQR SPRTSFGSLT DSSEEALEGM VRGLRQGGVS LLGQPQPLTQ EQWRSSFMRR NRDPQLNERV HRVRALQSTL KAKLQELQVL EEVLGDPELT GEKFRQWKEQ NRELYSEGLG AWGVAQAEGS SHILTSDSTE QSPHSLPSDP EEHSHLCPLT SESSLRPPDL
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	78,790 Da
Sequence Positions	1-720, 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.
OMIM	603272
3D Structure	ModBase 3D Structure for Q969H4
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CNKSR1 recombinant protein	This gene is a necessary element in receptor tyrosine kinase pathways, possibly as a tyrosine phosphorylation target. It is involved in regulation of RAF in the MAPK pathway and may also play a role in a MAPK-independent pathway.
Other Notes	Small volumes of CNKSR1 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 CNKSR1 purchase	MBS1339081 is a recombinant protein targeting CNKSR1. Also known as Recombinant Human Connector enhancer of kinase suppressor of ras 1 (CNKSR1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CNKSR1. It may not necessarily be applicable to this product.

NCBI GI #	663071014
NCBI GeneID	10256
NCBI Accession #	NP_001284576.1
UniProt Primary Accession #	Q969H4
UniProt Secondary Accession #	O95381; B1AMW9
UniProt Related Accession #	Q969H4
GenBank Nucleotide #	NM_001297647.1
NCBI Official Full Name	connector enhancer of kinase suppressor of ras 1 isoform 2
NCBI Official Synonym Full Names	connector enhancer of kinase suppressor of Ras 1
NCBI Official Symbol	CNKSR1
NCBI Official Synonym Symbols	CNK; CNK1
UniProt Protein Name	Connector enhancer of kinase suppressor of ras 1
UniProt Synonym Protein Names	CNK homolog protein 1; CNK1; hCNK1; Connector enhancer of KSR-like
Protein Family	Connector enhancer of kinase suppressor of ras
UniProt Gene Name	CNKSR1
UniProt Synonym Gene Names	CNK1; Connector enhancer of KSR 1; CNK1; hCNK1
NCBI Protein Information	connector enhancer of kinase suppressor of ras 1
NCBI Summary for CNKSR1	This gene encodes a protein containing several motifs involved in protein-protein interaction, including PDZ, PH (Pleckstrin homology), and SAM (sterile alpha motif) domains. The encoded protein acts as a scaffold component for receptor tyrosine kinase signaling and may mediate crosstalk between different signaling pathways. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
UniProt Comments for CNKSR1	May function as an adapter protein or regulator of Ras signaling pathways.
Research Articles on CNKSR1	**1.** The findings reveal SAM domain-dependent oligomerization by AKT as a switch for CNK1 activation.
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