Huntingtin-Interacting Protein K (HYPK) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Huntingtin-interacting protein K (HYPK), Recombinant Protein
Full Product Name	Recombinant Human Huntingtin-interacting protein K (HYPK)
Product Gene Name	HYPK recombinant protein
Product Synonym Gene Name	HYPK
Sequence	MRRRGEIDMA TEGDVELELE TETSGPERPP EKPRKHDSGA ADLERVTDYA EEKEIQSSNL ETAMSVIGDR RSREQKAKQE REKELAKVTI KKEDLELIMT EMEISRAAAE RSLREHMGNV VEALIALTN
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	9,619 Da
Sequence Positions	1-129, 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	612784
3D Structure	ModBase 3D Structure for Q9NX55
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HYPK recombinant protein	MBS1385920 is a recombinant protein targeting HYPK. Also known as Recombinant Human Huntingtin-interacting protein K (HYPK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of HYPK 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 HYPK. It may not necessarily be applicable to this product.

NCBI GI #	315468520
NCBI GeneID	25764
NCBI Accession #	NP_001186814.1
UniProt Primary Accession #	Q9NX55
UniProt Secondary Accession #	O75408; Q8WUW8; Q9P024; C9JKJ0

UniProt Related Accession #	Q9NX55
GenBank Nucleotide #	NM_001199885.1
NCBI Official Full Name	huntingtin-interacting protein K isoform 2
NCBI Official Synonym Full Names	huntingtin interacting protein K
NCBI Official Symbol	HYPK
NCBI Official Synonym Symbols	HSPC136; C15orf63
UniProt Protein Name	Huntingtin-interacting protein K
UniProt Synonym Protein Names	Huntingtin yeast partner K
Protein Family	Huntingtin-interacting protein
UniProt Gene Name	HYPK
UniProt Synonym Gene Names	C15orf63
NCBI Protein Information	huntingtin-interacting protein K
UniProt Comments for HYPK	Has a chaperone-like activity preventing polyglutamine (polyQ) aggregation of HTT. Protects against HTT polyQ-mediated apoptosis in Neuro2a neuronal cells. Required for optimal NAA10-NAA15 complex-mediated N-terminal acetylation.
Research Articles on HYPK	**1.** HYPK can act as negative regulator of heat shock response by repressing transcriptional activity of HSF1.
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