Gtpase Eras (ERAS) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	GTPase ERas (ERAS), Recombinant Protein
Full Product Name	Recombinant Human GTPase ERas (ERAS)
Product Gene Name	ERAS recombinant protein
Product Synonym Gene Name	ERAS
Sequence	MELPTKPGTF DLGLATWSPS FQGETHRAQA RRRDVGRQLP EYKAVVVGAS GVGKSALTIQ LNHQCFVEDH DPTIQDSYWK ELTLDSGDCI LNVLDTAGQA IHRALRDQCL AVCDGVLGVF ALDDPSSLIQ LQQIWATWGP HPAQPLVLVG NKCDLVTTAG DAHAAAAALA HSWGAHFVET SAKTRQGVEE AFSLLVHEIQ RVQEAMAKEP MARSCREKTR HQKATCHCGC
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	25,287 Da
Sequence Positions	1-230, 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	300437
3D Structure	ModBase 3D Structure for Q7Z444
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ERAS recombinant protein	MBS1436946 is a recombinant protein targeting ERAS. Also known as Recombinant Human GTPase ERas (ERAS). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ERAS 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 ERAS. It may not necessarily be applicable to this product.

NCBI GI #	31559833
NCBI GeneID	3266
NCBI Accession #	NP_853510.1
UniProt Primary Accession #	Q7Z444

UniProt Related Accession #	Q7Z444
GenBank Nucleotide #	NM_181532.3
NCBI Official Full Name	GTPase ERas
NCBI Official Synonym Full Names	ES cell expressed Ras
NCBI Official Symbol	ERAS
NCBI Official Synonym Symbols	HRAS2; HRASP
UniProt Protein Name	GTPase ERas
UniProt Synonym Protein Names	Embryonic stem cell-expressed Ras
Protein Family	GTPase
UniProt Gene Name	ERAS
UniProt Synonym Gene Names	HRAS2; HRASP; E-Ras
NCBI Protein Information	GTPase ERas
NCBI Summary for ERAS	This gene encodes a constitutively active member of the small GTPase Ras protein family. The encoded protein activates the phosphatidylinositol 3-kinase signal transduction pathway in undifferentiated stem cells, but is not expressed in differentiated cells. This gene may be involved in cancer and chemotherapy resistance. [provided by RefSeq, Dec 2012]
UniProt Comments for ERAS	Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the tumor-like growth properties of embryonic stem cells ().
Research Articles on ERAS	**1.** N-terminal extension of E-RAS is important for E-RAS signaling activity.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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