Recombinant Human mRNA export factor (RAE1)

Product Code	CSB-EP019276HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P78406
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSLFGTTSGF GTSGTSMFGS ATTDNHNPMK DIEVTSSPDD SIGCLSFSPP TLPGNFLIAG SWANDVRCWE VQDSGQTIPK AQQMHTGPVL DVCWSDDGSK VFTASCDKTA KMWDLSSNQA IQIAQHDAPV KTIHWIKAPN YSCVMTGSWD KTLKFWDTRS SNPMMVLQLP ERCYCADVIY PMAVVATAER GLIVYQLENQ PSEFRRIESP LKHQHRCVAI FKDKQNKPTG FALGSIEGRV AIHYINPPNP AKDNFTFKCH RSNGTNTSAP QDIYAVNGIA FHPVHGTLAT VGSDGRFSFW DKDARTKLKT SEQLDQPISA CCFNHNGNIF AYASSYDWSK GHEFYNPQKK NYIFLRNAAE ELKPRNKK
Source	E.coli
Target Names	RAE1
Protein Names	Recommended name: mRNA export factor Alternative name(s): Rae1 protein homolog mRNA-associated protein mrnp 41
Expression Region	1-368
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Mutations in the Schizosaccharomyces pombe Rae1 and Saccharomyces cerevisiae Gle2 genes have been shown to result in accumulation of poly(A)-containing mRNA in the nucleus, suggesting that the encoded proteins are involved in RNA export. This protein is a homolog of yeast Rae1. It contains four WD40 motifs, and has been shown to localize to distinct foci in the nucleoplasm, to the nuclear rim, and to meshwork-like structures throughout the cytoplasm. This gene is thought to be involved in nucleocytoplasmic transport, and in directly or indirectly attaching cytoplasmic mRNPs to the cytoskeleton. Alternatively spliced transcript variants encoding the same protein have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients,

storage temperature and the stability of the protein itself.
Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.