

Product datasheet for TP324655L

OriGene Technologies, Inc.

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RAE1 (NM 003610) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human RAE1 RNA export 1 homolog (S. pombe) (RAE1), transcript

variant 1, 1 mg

Species: Human Expression Host: HEK293T

Expression cDNA >RC224655 protein sequence Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MSLFGTTSGFGTSGTSMFGSATTDNHNPMKDIEVTSSPDDSIGCLSFSPPTLPGNFLIAGSWANDVRCWE VQDSGQTIPKAQQMHTGPVLDVCWSDDGSKVFTASCDKTAKMWDLSSNQAIQIAQHDAPVKTIHWIKAPN YSCVMTGSWDKTLKFWDTRSSNPMMVLQLPERCYCADVIYPMAVVATAERGLIVYQLENQPSEFRRIESP LKHQHRCVAIFKDKQNKPTGFALGSIEGRVAIHYINPPNPAKDNFTFKCHRSNGTNTSAPQDIYAVNGIA FHPVHGTLATVGSDGRFSFWDKDARTKLKTSEQLDQPISACCFNHNGNIFAYASSYDWSKGHEFYNPQKK

NYIFLRNAAEELKPRNKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 40.8 kDa

Concentration: $>0.05 \mu g/\mu L$ as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 003601





RefSeq ORF:

Locus ID: 8480

 UniProt ID:
 P78406

RefSeq Size: 1815 Cytogenetics: 20q13.31

1104

Synonyms: dJ481F12.3; dJ800J21.1; Gle2; MIG14; Mnrp41; MRNP41

Summary: Mutations in the Schizosaccharomyces pombe Rae1 and Saccharomyces cerevisiae Gle2 genes

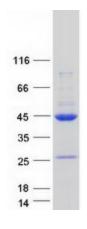
have been shown to result in accumulation of poly(A)-containing mRNA in the nucleus,

suggesting that the encoded proteins are involved in RNA export. The protein encoded by this gene 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. [provided

by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified RAE1 protein (Cat# [TP324655]). The protein was produced from HEK293T cells transfected with RAE1 cDNA clone (Cat# [RC224655]) using MegaTran 2.0 (Cat# [TT210002]).