

## Product datasheet for TP324655

### RAE1 (NM\_003610) Human Recombinant Protein

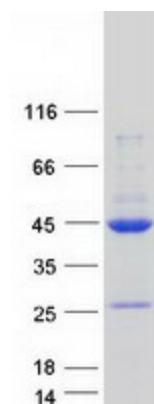
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human RAE1 RNA export 1 homolog (S. pombe) (RAE1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224655 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MSLFGTTSGFGTSGTSMFGSATTDNHNPMKDIEVTSSPDDSIGCLSFSPPTLPGNFLIAGSWANDVRCWE VQDSGQTIPKAQQMHTGPVLDVCWSDDGSKVFTASCDKTAKMWDLSSNQAIQIAQHDA PVKTIHWIKA PN YSCVMTGSWDKTLKFWDTRSSNPMMVLQLPERCYCADVIYPMMAVATAERGLIVYQLENQPSEFRRIESP LKHQHRCVAIFKDKQNKPTGFALGSIEGRVAIHYNPPNPAKDNTFKCHRSNGTNTSAPQDIYAVNGIA FHPVHGTLATVGSDGRFSFWDKDARTKLKTSEQLDQPISACCFNHNGNIFAYASSYDWSKGHEFYNPQK K NYIFLRNAAEELKPRNKK  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	40.8 kDa
Concentration:	>0.05 µg/µL 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.


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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_003601</a></u>
<b>Locus ID:</b>	8480
<b>UniProt ID:</b>	<u><a href="#">P78406</a></u>
<b>RefSeq Size:</b>	1815
<b>Cytogenetics:</b>	20q13.31
<b>RefSeq ORF:</b>	1104
<b>Synonyms:</b>	dJ481F12.3; dJ800J21.1; Gle2; MIG14; Mnrp41; MRNP41
<b>Summary:</b>	Mutations in the <i>Schizosaccharomyces pombe</i> Rae1 and <i>Saccharomyces cerevisiae</i> 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]).