

Recombinant Human RANGAP1 protein, GST-tagged

Cat. No. RANGAP1-38H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RANGAP1(1 a.a. - 587 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-587 a.a.
Description	This gene encodes a protein that associates with the nuclear pore complex and participates in the regulation of nuclear transport. The encoded protein interacts with Ras-related nuclear protein 1 (RAN) and regulates guanosine triphosphate (GTP)-binding and exchange. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	90.31 kDa
AA Sequence	MASEDIAKLAETLAKTQVAGGQLSFKGKSLKLNTAEDAKDVIKEIEDFDSLEALRLEG NTVGVEAARVIAKALEK KSELKRCHWSDMFTGRLRTEIPPALISLGEGLITAGAQLVE LDLSDNAFGPDGVQGFEALLKSSACFTLQELKLN NCGMGIGGGKILAAALTECHRK SSAQGKPLALKVFVAGRNRLENDGATALAEAFRVIGTLEEVHMPQNGINHPGI TALA QAFAVNPLLRVINLNDNTFTEKGAVAMAETLKTLRQVEVINFGDCLVRSKGAVAIADA IRGGLPKLKELNL SFCEIKRDAALAVAEAMADKAELEKLDLNGNTLGEEGCEQLQEV LEGFNMAKVLASLSDDDEDEEEEEEGEEEEEE AEEEEEEDEEEEEEEEEEEEEEPQ

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QRGQGEKSATPSRKILDPNTGEPAPVLSSPPPADVSTFLAFPSPEKLLRLG PKSSVL
IAQQTDTSDPEKVVSFAFLKVSSVFKDEATVRMAVQDAVDALMQKAFNSSFNSNTF
LTRLVHMGLLKS EDKVKAIANLYGPLMALNHMVQQDYFPKALAPLLLAFTKPN
LESCSFARHSLQLTYKV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

RANGAP1 Ran GTPase activating protein 1 [Homo sapiens]

Official Symbol

RANGAP1

Synonyms

RANGAP1; Ran GTPase activating protein 1; SD, segregation distorter homolog (Drosophila); ran GTPase-activating protein 1; Fug1; KIAA1835; segregation distortion; segregation distorter homolog; SD; MGC20266;

Gene ID

5905

mRNA Refseq

NM_002883

Protein Refseq

NP_002874

MIM

602362

UniProt ID

P46060

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Chromosome Location	22q13
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; Disease, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem;
Function	GTPase activator activity; Ran GTPase activator activity; protein binding;

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