Recombinant Full Length Human RANBP1 Protein

Cat. No. RANBP1-426HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human RanBP1 protein with an N terminal proprietary tag; predicted mwt: 49.11 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	210 amino acids
Description	Ran/TC4-binding protein, RanBP1, interacts specifically with GTP-charged RAN. RANBP1 encodes a 23-kD protein that binds to RAN complexed with GTP but not GDP. RANBP1 does not activate GTPase activity of RAN but does markedly increase GTP hydrolysis by the RanGTPase-activating protein (RanGAP1). The RANBP1 cDNA encodes a 201-amino acid protein that is 92% similar to its mouse homolog. In both mammalian cells and in yeast, RANBP1 acts as a negative regulator of RCC1 by inhibiting RCC1-stimulated guanine nucleotide release from RAN.
Form	Liquid
Molecular Mass	49.110kDa
AA Sequence	MAAAKDTHEDHDTSTENTDESNHDPQFEPIVSLPEQEIKT LEEDEEELFKMRAKLFR FASENDLPEWKERGTGDVKLLKH KEKGAIRLLMRRDKTLKICANHYITPMMELKPNA GSDRAW VWNTHADFADECPKPELLAIRFLNAENAQKFKTKFEECRK EIEEREKKA GSGKNDHAEKVAEKLEALSVKEETKEDAEEK Q

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Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name	RANBP1 RAN binding protein 1 [Homo sapiens]
Official Symbol	RANBP1
Synonyms	RANBP1; RAN binding protein 1; ran-specific GTPase-activating protein; HTF9A
Gene ID	5902
mRNA Refseq	NM_002882
Protein Refseq	NP_002873
MIM	601180
UniProt ID	P43487

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