

Recombinant Human RANBP2 Protein (2601-2802 aa), His-tagged

Cat. No. RANBP2-2250H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RANBP2 Protein (2601-2802 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	2601-2802 aa
Description	E3 SUMO-protein ligase which facilitates SUMO1 and SUMO2 conjugation by UBE2I. Involved in transport factor (Ran-GTP, karyopherin)-mediated protein import via the F-G repeat-containing domain which acts as a docking site for substrates. Binds single-stranded RNA (in vitro). May bind DNA. Component of the nuclear export pathway. Specific docking site for the nuclear export factor exportin-1. Sumoylates PML at 'Lys-490' which is essential for the proper assembly of PML-NB. Recruits BICD2 to the nuclear envelope and cytoplasmic stacks of nuclear pore complex known as annulate lamellae during G2 phase of cell cycle.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	24.8 kDa
AA Sequence	PTEESSINYTFKTPEKAKEKKKPEDSPSDDDLIVYELTPTAEQKALATKCLKLPPTFFC

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YKNRPDYVSEEEEDDED FETAVKKLNGKLYLDGSEKCRPLEENTADNEKECIIVWEK
KPTVEEKAKADTLKLPPTFFCGVCSDTDEDNGNGEDFQSELQKVQEAQKSQTTEEIT
STTDSVYTGGEVMPVSFCKSEEPDSITKS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name [RANBP2 RAN binding protein 2 \[Homo sapiens \]](#)

Official Symbol [RANBP2](#)

Synonyms RANBP2; NUP358; P270; nucleoporin 358; nucleoporin Nup358; 358 kDa nucleoporin; ANE1; TRP1; TRP2; IIAE3;

Gene ID [5903](#)

mRNA Refseq [NM_006267](#)

Protein Refseq [NP_006258](#)

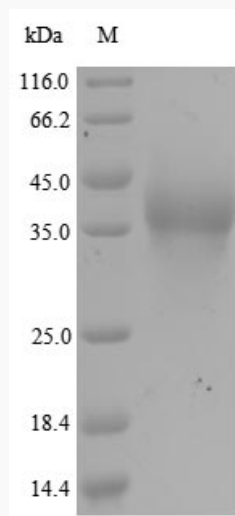
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MIM 601181

UniProt ID P49792



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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