Recombinant Human Ring Finger Protein 4, His-tagged

Cat. No. RNF4-7193H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RNF4 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques. MW: 23.7 kDa.
Species	Human
Source	E.coli
ProteinLength	1-190aa
Description	E3 ubiquitin ligase RNF4, also known as RNF4, contains a RING finger motif and acts as a transcription regulator. This protein has been shown to interact with, and inhibit the activity of, TRPS1, a transcription suppressor of GATA-mediated transcription. Transcription repressor ZNF278/PATZ is found to interact with this protein, and thus reduce the enhancement of androgen receptor-dependent transcription mediated by this protein.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.5) containing 0.2M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	23.7 kDa (213aa) confirmed by MALDI-TOF.
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSTRKRR GGAINSRQAQ KRTREATSTP EISLEAEPIE LVETAGDEIV DLTCESLEPV VVDLTHNDSV VIVDERRRPR RNARRLPQDH ADSCVVSSDD EELSRDRDVY VTTHTPRNAR DEGATGLRPS GTVSCPICMD GYSEIVQNGR LIVSTECGHV FCSQCLRDSL KNANTCPTCR

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KKINHKRYHP IYI
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	RNF4 ring finger protein 4 [Homo sapiens]
Official Symbol	RNF4
Synonyms	RNF4; ring finger protein 4; SLX5; SNURF; RES4-26; E3 ubiquitin-protein ligase RNF4; E3 ubiquitin ligase RNF4; small nuclear RING finger protein; EC=6.3.2; Protein SNURF
Gene ID	6047
mRNA Refseq	NM_002938
Protein Refseq	NP_002929
MIM	602850
UniProt ID	P78317

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Chromosome Location	4p16.3
Pathway	Adaptive Immune System, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem
Function	DNA binding; SUMO polymer binding; androgen receptor binding; nucleosome binding; protein binding; sequence-specific DNA binding transcription factor activity; transcription coactivator activity; transcription factor binding; ubiquitin-protein ligase activity; zinc ion binding

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