

Recombinant Human RNF4 Protein (G120-I190), GST tagged

Cat. No. RNF4-0445H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-G-RNF4(G120-I190 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	G120-I190
Description	E3 ubiquitin-protein ligase which binds polysumoylated chains covalently attached to proteins and mediates 'Lys-6-', 'Lys-11-', 'Lys-48'- and 'Lys-63'-linked polyubiquitination of those substrates and their subsequent targeting to the proteasome for degradation. Regulates the degradation of several proteins including PML and the transcriptional activator PEA3. Involved in chromosome alignment and spindle assembly, it regulates the kinetochore CENPH-CENPI-CENPK complex by targeting polysumoylated CENPI to proteasomal degradation. Regulates the cellular responses to hypoxia and heat shock through degradation of respectively EPAS1 and PARP1. Alternatively, it may also bind DNA/nucleosomes and have a more direct role in the regulation of transcription for instance enhancing basal transcription and steroid receptor-mediated transcriptional activation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	RNF4 ring finger protein 4 [Homo sapiens (human)]
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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