

Recombinant Human XRN1, His-tagged

Cat. No. XRN1-102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The protein was expressed as 6*his-tagged fusion protein by E.Coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
Description	SEP1 localizes to cytoplasmic foci containing a complex of mRNA-degrading enzymes. In addition to mRNA metabolism, yeast Sep1 has been implicated in a variety of nuclear and cytoplasmic functions, including homologous recombination, meiosis, telomere maintenance, and microtubule assembly.
AA Sequence	222-576aa
Storage	The protein is stored in PBS buffer at -20 oC. Repeated freeze-thaw cycles should be avoided.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

Gene Name	XRN1 5'-3' exoribonuclease 1 [Homo sapiens (human)]
Official Symbol	XRN1

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Synonyms	XRN1; SEP1; 5'-3' exoribonuclease 1; strand-exchange protein 1 homolog
Gene ID	54464
mRNA Refseq	NM_019001
Protein Refseq	NP_061874
MIM	607994
UniProt ID	Q8IZH2
Chromosome Location	3q23
Pathway	Deadenylation-dependent mRNA decay; Destabilization of mRNA by Butyrate Response Factor 1 (BRF1); Destabilization of mRNA by Tristetraprolin (TTP)
Function	5'-3' exonuclease activity; DNA binding; RNA binding; protein binding

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