

## Recombinant Human XRN1, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	The protein was expressed as 6*his-tagged fusion protein by E.Coli and purified by Ni-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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.
<b>AA Sequence</b>	222-576aa
<b>Storage</b>	The protein is stored in PBS buffer at -20 oC. Repeated freeze-thaw cycles should be avoided.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

### GENE INFORMATION

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

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

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