

Recombinant Human XRN1, GST-tagged

Cat. No. XRN1-101H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human XRN1 full-length ORF (AAH48104.1, 1 a.a. - 459 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	80.2 kDa
AA Sequence	MGVPKFYRWISERYPCLSEVVKEHQIPEFDNLYLDMNGIIHQCSHPNDDDVHFRISD DKIFTDIFHYLEVLFRII KPRKVFFMAVDGVAPRAKMNQQRGRRFRSAKEAEDKIKKA IEKGETLPTEARFDSNCITPGTEFMAKLHEHLKYF VNMKISTDKSWQGVTIYFSGHE TPGEGEHKIMEFIRSEKAKPDHDPNTRHCLYGLDADLIMLGTSHEAHFSLLR EEVR FGGKKTQRVCAPEETTFHLLHLSLMREYIDYEFVSLKEKITFKYDIERIIDDWILMGFLV GNDFIPHLPHL HINHDA LPLLYGTYVTILPELGGYINESGHLNLPREFEYLVKLSDFDR EHFSEVFVDLKWFEKVGKYLNEAAG VAAEEARNYKEKKKLKGQENSLCWTALD KNEGEMITSKDNLEDETEDDDLFETEFRQYKRTYYMTKMGVDVVSEY VFANAFILK
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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