

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
TPGEGEHKIMEFIRSEKAKPDHDPNTRHCLYGLDADLIMLGLTSHEAHFSLLR EEVR
FGGKKTQRVCAPEETTFHLLHLSLMREYIDYEFVSLKEKITFKYDIERIIDDWILMGFLV
GNDFIPHLPHL HINH DALPLLYGTYVTILPELGGYINESGHLNLPFEKYLVKLSDFDR
EHFSEVFVDLKWFEKVGKYLNEAAG VAAEEARNYKEKKLKGQENSLCWTALD
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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