

Recombinant Human Lefty1 Protein, His/GST-tagged

Cat. No. PARN-372H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Lefty1(Lys178~Asp245) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys178~Asp245
Description	The protein encoded by this gene is a 3'-exoribonuclease, with similarity to the RNase D family of 3'-exonucleases. It prefers poly(A) as the substrate, hence, efficiently degrades poly(A) tails of mRNAs. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs. This protein is also involved in silencing of certain maternal mRNAs during oocyte maturation and early embryonic development, as well as in nonsense-mediated decay (NMD) of mRNAs that contain premature stop codons. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	38.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	PARN poly(A)-specific ribonuclease [Homo sapiens]
Official Symbol	PARN
Synonyms	PARN; poly(A)-specific ribonuclease; poly(A) specific ribonuclease (deadenylation nuclease); poly(A)-specific ribonuclease PARN; DAN; deadenylation nuclease; deadenylating nuclease; polyadenylate-specific ribonuclease; poly(A)-specific ribonuclease (deadenylation nuclease);
Gene ID	5073
mRNA Refseq	NM_001134477
Protein Refseq	NP_001127949
MIM	604212

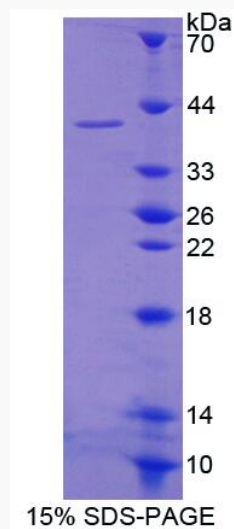
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UniProt ID

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