

Recombinant Human RLN1 Protein, His-tagged

Cat. No. RLN1-219H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RLN1 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In humans there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3, where RLN1 and RLN2 share high sequence homology. The protein encoded by this gene is synthesized as a single-chain polypeptide but the active form consists of an A chain and a B chain linked by disulfide bonds. Relaxin is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin.
Form	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	21 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

 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

Gene Name	RLN1 relaxin 1 [Homo sapiens]
Official Symbol	RLN1
Synonyms	RLN1; relaxin 1; relaxin 1 (H1); prorelaxin H1; H1; relaxin H1; preprorelaxin H1; RLXH1; bA12D24.3.1; bA12D24.3.2;
Gene ID	6013
mRNA Refseq	NM_006911
Protein Refseq	NP_008842
MIM	179730
UniProt ID	P04808

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