Recombinant Human Relaxin 3

Cat. No. RLN3-115H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Relaxin-3 produced in*E.coli*is a 5.5 kDa disulfide linked heterodimeric protein consisting of a 24 amino acid A-chain and a 27 amino acid B-chain.
Species	Human
Source	E.coli
Description	Relaxin-3 (H3 relaxin, Insulin-like peptide-7, INSL7) is a secreted protein structurally related to insulin, which is expressed primarily in the brain and central nervous system. Relaxin-3 has been identified as the ligand for the GPCR135 receptor, previously known as "somatostatin-like" or "angiotensin-like" peptide receptor, and also binds specifically to the LGR7 receptor, previously identified as an "orphan" G protein coupled receptor. Signaling by Relaxin-3 through its target receptors is, most likely, part of a CNS processing system, activated in response to signaling by neuropeptides and other factors. Intracerebroventricular injections of Relaxin-3 have been shown to cause a significant increase of food intake and body weight in Wistar rats.
Purity	98 % (SDS-PAGE, HPLC).
Endotoxin Level	< 0.1 ng per ug of Relaxin-3.
Stabilizer	None.

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Formulation	Lyophilized.
Biological Activity	Data not available!
Stability	The lyophilized protein is stable for at least 2 years from date of receipt at -20℃. Reconstituted Relaxin-3 is stable for at least 3 months when stored in working aliquots with a carrier protein at -20℃. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	RLN3 relaxin 3 [Homo sapiens]
Synonyms	RLN3; relaxin 3; H3; RXN3; ZINS4; insl7; 19p13.2; relaxin 3 (H3); Relaxin-3; Prorelaxin H3; Insulin-like peptide INSL7; Insulin-like peptide 7; Relaxin-3 B chain;Relaxin-3 A chain; UNQ6188/PRO20213
Gene ID	117579
mRNA Refseq	NM_080864
Protein Refseq	NP_543140
MIM	606855
UniProt ID	Q8WXF3
Chromosome Location	1q21
Function	G-protein-coupled receptor binding; hormone activity

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