

Relaxin-3, human recombinant protein
H3 relaxin, Insulin-like peptide-7, INSL7
Catalog # PBV10825r**Specification**

Relaxin-3, human recombinant protein - Product info

Primary Accession [Q8WXF3](#)
Calculated MW **5.5 kDa** **KDa**

Relaxin-3, human recombinant protein - Additional Info

Gene ID	117579
Gene Symbol	RLN3
Other Names	
H3 relaxin, Insulin-like peptide-7, INSL7	
Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥98%
Assay2&Purity2	HPLC;
Recombinant	Yes
Sequence	A Chain: DVLAGLSSSC CKWGCSKSEI SSLC B Chain: RAAPYGVRLC GREFIRAVIF TCGGSRW

Target/Specificity

Relaxin-3

Application Notes

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Format

Lyophilized powder

Storage

-20°C; Sterile filtered through a 0.2 micron filter. Lyophilized with no additives

Relaxin-3, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

Relaxin-3, human recombinant protein - Images

Relaxin-3, human recombinant protein - Background

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. Intra cerebroventricular injections of Relaxin-3 have been shown to cause a significant increase of food intake and body weight in Wistar rats. Recombinant Relaxin-3 is a 5.5 kDa disulfide linked heterodimeric protein consisting of a 24 amino acid A-chain and a 27 amino acid B-chain.

Relaxin-3, human recombinant protein - References

Holloway J.L.,et al.Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
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Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Sudo S.,et al.J. Biol. Chem. 278:7855-7862(2003).
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