

Recombinant Human Relaxin-3
Catalog # PBG10378**Specification**

Recombinant Human Relaxin-3 - Product Information**Recombinant Human Relaxin-3 - Additional Information****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. 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.

Biological Activity

Data Not Available.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ µg of protein (<1EU/ µg).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human Relaxin-3 is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human Relaxin-3 - 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](#)

Recombinant Human Relaxin-3 - Images