Relaxin-3 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: H3 relaxin, Insulin-like peptide-7, INSL7

Cat. No.:

RBG10287005	(5 µg)
RBG10287025	(25 µg)
RBG10287100	(100 µg)

Description

Relaxin-3 is a secreted protein structurally related to insulin that 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 has also been identified for binding 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 Human 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.

Research topic

Diabetology - Other Relevant Products, Energy metabolism and body weight regulation, Lipoprotein metabolism, Neural tissue markers

Source

E. coli

Purity

98%

Biological Activity

Data Not Available.

Endotoxin

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

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. 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.

Storage, Stability/Shelf Life

-20°C

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