

Relaxin-3, human recombinant

CATALOG #:	7195-10	10 µg
	7195-50	50 µg
ALTERNATE NAMES:	H3 relaxin, Insulin-like peptide-7, INSL7	
SOURCE:	E coli	
PURITY:	≥ 98% by SDS-PAGE gel and HPLC analyses	
MOL. WEIGHT:	5.5 kDa	
ENDOTOXIN LEVEL:	< 0.1 ng/µg of protein (<1EU/µg).	
FORM:	Lyophilized	
FORMULATION:	Sterile filtered through a 0.2 micron filter. Lyophilized with no additives	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.	

RECONSTITUTION:

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.

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. 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.

AMINO ACID SEQUENCE:**A Chain:** DVLAGLSSSC CKWGCSKSEI SSLC**B Chain:** RAAPYGVRLC GREFIRAVIF TCGGSRW**RELATED PRODUCTS:**

- Relaxin-2, human recombinant (**Cat. No. 7194-10, -50**)
- Relaxin-1 Antibody (**Cat. No. 3874-100**)
- Relaxin-1 Blocking Peptide (**Cat. No. 3874BP-50**)
- Relaxin-2 Antibody (**Cat. No. 3903-200**)
- Relaxin-2 Blocking Peptide (**Cat. No. 3903BP-50**)

FOR RESEARCH USE ONLY! Not to be used in humans.