

Human RLN3 Recombinant Protein



RPPB4474

Product Information Protein Information

Product SKU:

RPPB4474

Accession:

Q8WXF3

Host:

Escherichia Coli.

Protein description:

Relaxin-3 Human Recombinant produced in E.Coli is a disulfide-linked heterodimeric, non-glycosylated, polypeptide chain containing 24 amino acids for A chain and 27 amino acids for B chain and having a molecular mass of 2.5kDa for A chain and 3kDa for B chain. The Relaxin-3 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Relaxin 3, Prorelaxin H3, RXN3, Insl7, ZINS4, H3, Relaxin 3 (H3), Relaxin-3, RLN3.

Formulation:

Lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized RLN3 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized RLN3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Relaxin-3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

A chain: DVLAGLSSSC CKWGCSKSEI SSLC. B chain: RAAPYGVRLCG REFIRAVIFT CGGSRW.

Biological Activity:

The ED₅₀, as measured by cAMP accumulation in human THP-1 cells, is less than 17.5ng/ml.