

Relaxin-3 Human Recombinant

Item Number	rAP-4650
Synonyms	Relaxin 3, Prorelaxin H3, RXN3, Insulin-Like Peptide INSL7, Insulin-Like Peptide 7, Insl7, ZINS4, H3, Relaxin 3 (H3), Insulin-Like 7, Relaxin-3, RLN3.
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 chromatography.
Uniprot Accession Number	Q8WXF3
Amino Acid Sequence	A chain: DVLAGLSSSC CKWGCSKSEI SSLC. B chain: RAAPYGVRLCG REFIRAVIFT CCGSRW.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	Lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA. Greater than 95.0% as determined by SDS-PAGE.
Application	
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.
Biological Activity	The ED50, as measured by cAMP accumulation in human THP-1 cells, is less than 17.5ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**