

Thyrotropin Releasing Hormone Human

Item Number	rAP-2547
Synonyms	Thyroliberin, TRH, MGC125964, MGC125965, Protirelin, TRF.
Description	Thyrotropin Releasing Hormone Human C ₁₆ H ₂₂ N ₆ O ₄ has a molecular mass of 362.4 Dalton. The TRH is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P20396
Amino Acid Sequence	Pyr-His-Pro-NH ₂ .
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Protirelin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TRH 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	The TRH was lyophilized with no additives. Greater than 98.5% as determined by Analysis by RP-HPLC.
Application	
Solubility	It is recommended to reconstitute the lyophilized Thyroliberin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	
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**