

Thyrostimulin Alpha Human Recombinant

Item Number	rAP-2606
Synonyms	GPA2, GPHA2, ZSIG51, Glycoprotein hormone alpha-2, MGC126572.
Description	GPHA2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 120 amino acids and having a total molecular mass of 13.28 kDa. The Thyrostimulin contains His tag which consists of 14 additional amino acids. The amino acid sequence of the recombinant human Thyrostimulin
Uniprot Accession Number	Q96T91
Amino Acid Sequence	MRGSHHHHHH GMAS QEAVIPG CHLHPFNVTV RSDRQGTCQG SHVAQACVGH CESSAFPSRY SVL-VASGYRH NITSVQCCT ISGLKKVKVQ LQCVGSRREE LEIFTARACQCDMCRLSRY.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Lyophilized Thyrostimulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GPHA2 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	GPHA2 filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M Acetate buffer pH 4. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to add 0.1M Acetate buffer pH4 to prepare a working stock solution of ~ 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentrat
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**