

RPPB1281

Product Information Protein Information

Product SKU:

RPPB1281

Accession:

Q86YW7

Host:

Escherichia Coli.

Protein description:

GPHB5 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 120 amino acids and having a total molecular mass of 13.34 kDa. The Thyrostimulin contains His tag which consists of 14 additional amino acids. The amino acid sequence of the recombinant human Thyrostimulin beta subunit is 100% homologous to the amino acid sequence of the human Thyrostimulin beta subunit without signal sequence. (N-terminal 24AA). Thyrostimulin is purified by proprietary chromatographic techniques.

Appearance:

Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Glycoprotein hormone beta-5, ZLUT1, GPHB5, GPB5.

Formulation:

The GPHB5 filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M Acetate buffer pH 4.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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 concentration of 10µg/ml. In higher concentrations the solubility of this protein is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

Stability:

Lyophilized Thyrostimulin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GPHB5 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:

MRGSHHHHHH GMASASSGNL RTFVGCAVRE FTFLAKKPGC RGLRITTDAC WGR CETWEKP ILEPPYIEAH
HRVCTYNETK QVTVKLPNCA PGVDPFYTYP VAIRCDCGAC STATTECETI.