

## Latent TGF beta 1 &amp; GARP Heterotrimer Protein, Human, Recombinant (His)

## General Information

Synonyms: TGF  $\beta$ 1 & GARP Heterotrimer

Protein Construction: A DNA sequence encoding the human TGFB1 (P01137)(Met1-Ser390) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the human GARP (Q14392) (Met1-Asn627) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the TGF Beta 1 & GARP Heterotrimer was purified.

Species: Human

Expression Host: HEK293 Cells

Accession: P01137 & Q14392

Molecular Weight: 108.72 kDa (Predicted); 72.33, 40.89 and 13.99 kDa (Reducing conditions)

## QC Testing

Biological Activity: Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.

Endotoxin: < 1.0 EU/ $\mu$ g of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, 0.02% Tween 80, 10% Trehalose, 10% Glycerol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

## Preparation and Storage

Reconstitution:

Please refer to the specific buffer information in the lot-specific COA.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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