

Human TGFBR1 / ALK-5 (aa 200-503, His & GST Tag) recombinant protein



Catalog Number: 503803

General Information

Gene Name Synonym

Activin A receptor type II-like protein kinase of 53kD; Activin receptor-like kinase 5; Serine/threonine-protein kinase receptor R4; TGF-beta type I receptor; Transforming growth factor-beta receptor type I

Protein Construction

A DNA sequence encoding the human ALK5 (P36897-1) (Thr200-Mey503) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

The specific activity was determined to be 40 nmol/min/mg using casein as substrate.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant human ALK5/GST chimera consists of 541 amino acids and has a calculated molecular mass of 62.6 kDa. The recombinant protein migrates approximately 57 kDa band in SDS-PAGE under reducing conditions.

Formulation

Supplied as sterile 20mM Tris, 500mM NaCl, pH 8.5, 10% glycerol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

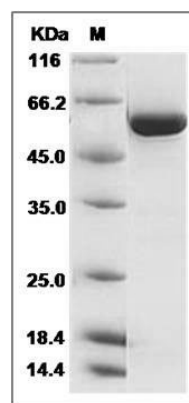
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human TGFBR1 / ALK-5 / SKR4 Protein (aa 200-503, His & GST Tag) SDS-PAGE