

Human TSPAN31 Protein (Fc Tag)

Catalog Number: 14231-H04H



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Biological Solution Specialist

General Information

Gene Name Synonym:

SAS; 2700085A14Rik; AW742554; Sas

Protein Construction:

A DNA sequence encoding the human TSPAN31 (Q12999) (Cys94-Lys173) was expressed with the Fc region of mouse IgG1 at the N-terminus.

Source: Human

Expression Host: Human Cells

QC Testing

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: Asp

Molecular Mass:

The recombinant human TSPAN31/mFc comprises 316 amino acids and has a predicted molecular mass of 35.9 kDa. The apparent molecular mass of the monomer is approximately 40-46 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

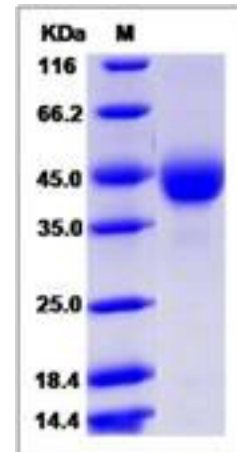
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

TSPAN31 is a member of the transmembrane 4 superfamily. Most members of this family are cell-surface proteins that are characterized by the presence of four hydrophobic domains. They mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. TSPAN31 is thought to be involved in growth-related cellular processes. This gene is associated with tumorigenesis and osteosarcoma.

References

1. Wright MD. et al., 1995, Immunol Today. 15 (12): 588-94.
2. Meltzer PS. et al., 1992, Cell Growth Differ. 2 (10): 495-501.
3. Jankowski SA. et al., 1995, Genomics. 25 (2): 501-6.

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