

Rat TALLA-1 / TSPAN7 (CD231) Protein (His Tag, ECD)

Catalog Number: 80372-R07H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

TSPAN7

Protein Construction:

A DNA sequence encoding the rat TSPAN7 (ABX10436.1) (Arg113-Met213) was expressed with a polyhistidine tag at the N-terminus.

Source: Rat

Expression Host: HEK293 Cells

QC Testing

Purity: > (52.1+36.6)% as determined by SDS-PAGE.

Endotoxin:

< 1.0 EU per µg 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: His

Molecular Mass:

The recombinant rat TSPAN7 consists 120 amino acids and predicts a molecular mass of 13.9 kDa.

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:

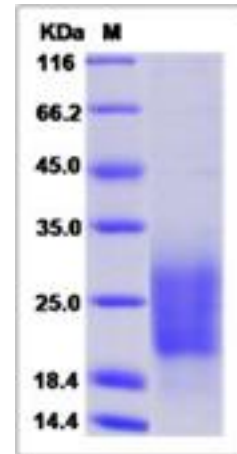
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

TALLA-1, also known as TSPAN7, 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. TALLA-1 gene is associated with X-linked mental retardation and neuropsychiatric diseases such as Huntington's chorea, fragile X syndrome and myotonic dystrophy. TALLA-1 is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. It is known to complex with integrins.

References

1. Berditchevski F. 2002, J Cell Sci. 114 (23): 4143-51.
2. Castellví-Bel S. et al., 2001, Mol Genet Metab. 72 (2): 104-8.
3. Abidi FE. et al., 2002, J Med Genet. 39 (6): 430-3.

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