

For Research Use Only

Recombinant Human TSPAN7 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2323

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
C-rFc

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
HEK293-derived Human TSPAN7 protein Arg113-Met213 (Accession# AAH18036.1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
7102

Accession:
AAH18036.1

Predicted Molecular Mass:
37.9 kDa

SDS-PAGE:
42-55 kDa, reducing (R) condition

Formulation:
Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

TSPAN7, also named as A15, MXS1, CD231, MRX58, CCG-B7, TM4SF2, TALLA-1, TM4SF2b and DXS1692E, is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. TSPAN7 is a cell surface glycoprotein and may have a role in the control of neurite outgrowth. TSPAN7 may be involved in cell proliferation and cell motility. It is not solely expressed in T cells, but also expressed in acute myelocytic leukemia cells of some patients (PMID: 39175035; 38649381).

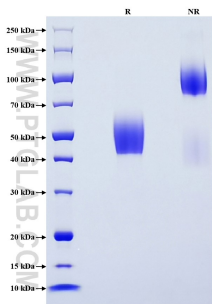
References

1. Lu B. et al. (2024). Biol Direct. 19(1):72.
2. Zhang H. et al. (2024). Cell Death Discov. 10(1):187.

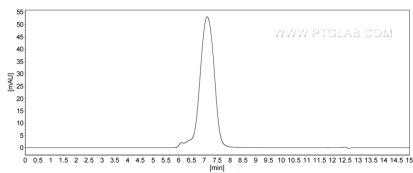
Synonyms

TALLA-1, Tetraspanin-7, A15, CCG B7, CD231

Selected Validation Data



Purity of Recombinant Human TSPAN7 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human TSPAN7 was greater than 90% as determined by SEC-HPLC.