

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/μg 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 μm 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

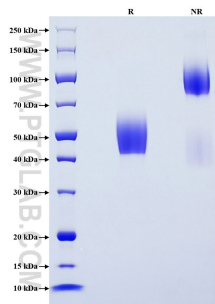
TALLA-1, Tetraspanin-7, A15, CCG B7, CD231

For technical support and original validation data for this product please contact

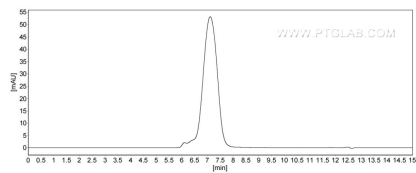
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.