For Research Use Only

Recombinant Human B7-H6 protein (Myc Tag, His Tag)

www.ptgcn.com

Catalog Number: Eg0007

Basic Information

Species: Human

Purity: >90 %, SDS-PAGE

Tag: Myc Tag, His Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human B7-H6 protein Asn25-Ser262 (Accession# Q68D85) with a Myc tag and a His tag at the C-terminus.

GeneID:
374383

Accession:
Q68D85

Predicted Molecular Mass:
32.3 kDa

SDS-PAGE:

Formulation:
Lyophilized from sterile 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

B7-H6, also known as NCR3LG1, is a co-stimulatory ligand that plays a crucial role in the immune response by binding to the natural killer (NK) cell activating receptor NKp30. It was reported that B7-H6 has inhibitory effects on cell proliferation and migration. It is primarily localized in the cell membrane of tumor cells, where it can interact with NKp30 on NK cells. In some cases, B7-H6 can also be found in the intracellular space of cancer cells, such as in small cell lung cancer (SCLC).

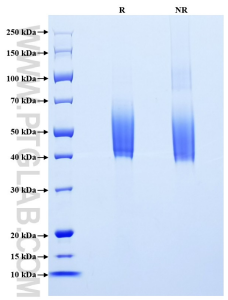
References

1.Mohammadi, Alaleh et al. Life sciences vol. 304, (2022): 120709.
2.Brandt, Cameron S et al. The Journal of experimental medicine vol. 206,7 (2009): 1495-503.
3.Zhang, Xiuqin et al. Annals of translational medicine vol. 8,9 (2020): 589.
Banu, Nehla et al. BMC cancer vol. 20,1 (2020): 1083.

Synonyms

B7H6, NCR3LG1, B7 H6, B7 homolog 6, Natural cytotoxicity triggering receptor 3 ligand 1

Selected Validation Data



Purity of Recombinant Human PCSK9 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.