

For Research Use Only

Recombinant Human B7-H3 protein (Myc Tag, His Tag)



Catalog Number: Eg0075

Basic Information

ED50:
/

GeneID:
80381

Species:
Human

Accession:
Q5ZPR3-2

Purity:
>95 %, SDS-PAGE

Technical Specifications

Purity:
>95 %, SDS-PAGE

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

Source:
HEK293-derived Human B7-H3 protein Leu29-Pro245 (Accession# Q5ZPR3-2) with a Myc tag and His tag at the C-terminus.

Predicted Molecular Mass:
28.3 kDa

SDS-PAGE:
34-50 kDa, reducing (R) conditions

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°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

B7-H3 (CD276) is a type I transmembrane protein that belongs to the B7 immunoregulatory family. B7-H3 participates in the regulation of T-cell-mediated immune response probably by functioning as both a T cell costimulator and coinhibitor. B7-H3 plays an essential role in cell proliferation, invasion, and migration in malignancies. Overexpressed in different types of human cancers, B7-H3 has been implicated in cancer progression and metastasis and becomes an attractive target for cancer immunotherapy.

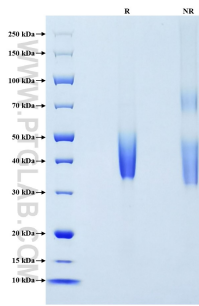
References

1. Yan R, et al. (2015). *Inflammation*. 38(3):1322-1328.
2. Zhang G, et al. (2010). *J Immunol*. 185(6):3677-3684.
3. Liu S, et al. (2021). *Front Oncol*. 11:654684.
4. Picarda E, et al. (2016). *Clin Cancer Res*. 22(14):3425-3431.

Synonyms

CD276, 4lg-B7-H3, B7 H3, B7 homolog 3, B7H3

Selected Validation Data



Purity of Recombinant Human B7-H3 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.

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

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