

For Research Use Only

Recombinant Human B7-H6 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2568

Basic Information

Species:
Human

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

Tag:
rFc Tag

Technical Specifications

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

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human B7-H6 protein Asp25-Ser262 (Accession# Q68D85) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
374383

Accession:
Q68D85

Predicted Molecular Mass:
53.0 kDa

SDS-PAGE:
50-70 kDa, reducing (R) conditions

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

B7-H6, also known as NCR3LG1, is a member of the B7 family of immunoreceptors. It is a 454-aa-long type I transmembrane protein consisting of an extracellular region, a transmembrane segment, and a cytoplasmic domain which contains an immunoreceptor tyrosine-based inhibitory motif (ITIM), an SH2-binding domain, and an SH3-binding motif. B7-H6 triggers NKp30-mediated activation of human NK cells. It has been reported that B7H6 is expressed in various types of tumor cells and plays a prominent role in natural killer cell immunosurveillance. The apparent molecular weight of B7-H6 is larger than the calculated molecular weight of 51 kDa due to glycosylation.

References

1. Cameron S Brandt. et al. (2009). J Exp Med. 206(7):1495-503.
2. Alaleh Mohammadi. et al. (2022). Life Sci. 304:120709.
3. Ying Chen. et al. (2018). Pathol Oncol Res. 4(4):717-721.

Synonyms

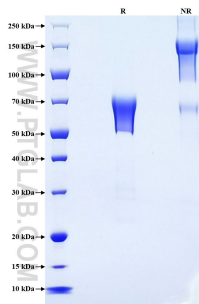
B7H6, NCR3LG1, B7 H6, B7 homolog 6, Natural cytotoxicity triggering receptor 3 ligand 1

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

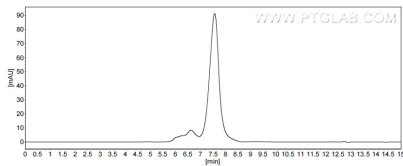
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Selected Validation Data



Purity of Recombinant Human B7-H6 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 B7-H6 was greater than 90% as determined by SEC-HPLC.