

For Research Use Only

Recombinant Mouse IGSF8/CD316 protein (rFc Tag)



Catalog Number: Eg6320

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
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Technical Specifications

Purity:
>90 %, SDS-PAGE

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

Source:
HEK293-derived Mouse IGSF8 protein Arg26-Thr577 (Accession# Q8R366) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
140559

Accession:
Q8R366

Predicted Molecular Mass:
84.3 kDa

SDS-PAGE:
84-115 kDa, reducing (R) conditions

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

IGSF8 (CD316/EWI 2) is a type I transmembrane glycoprotein of immunoglobulin superfamily, interacting tightly with tetraspanins CD9 and CD81 to modulate membrane trafficking and cell adhesion. Widely expressed on immune and neuronal cells, it functions as a novel innate immune checkpoint: overexpressed in diverse malignancies, it binds NK cell KIR3DL2 to block NK mediated tumor clearance. Preclinical and early clinical data validate it as a promising immunotherapy target; blocking anti IGSF8 mAbs boost antitumor immunity alone or combined with anti PD1 regimens.

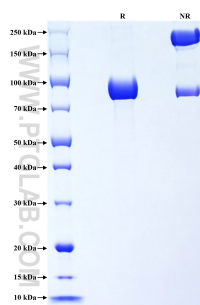
References

1. Li, Yulong et al. Cell vol. 187,11 (2024): 2703-2716.e23.

Synonyms

CD316, CD81 partner 3, Ewi2, EWI-2, Glu-Trp-Ile EWI motif-containing protein 2

Selected Validation Data



Purity of Recombinant Mouse IGSF8 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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