

For Research Use Only

Recombinant Human CDCP1 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg2574

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 CDCP1 protein Phe30-Thr667 (Accession# Q9H5V8) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
64866

Accession:
Q9H5V8

Predicted Molecular Mass:
98.1 kDa

SDS-PAGE:
105-120 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

CDCP1, also called CD318, TRASK, and SIMA 135, is a transmembrane protein containing three CUB domains within the extracellular region and a hexalysine stretch within the cytoplasmic region. CDCP1 is a novel marker for hematopoietic stem cells. CDCP1 is overexpressed in a variety of malignant tumors including respiratory tumors, digestive system cancers, hematological malignancies and urogenital cancers. It has been recognized as a promising diagnostic biomarker and a potential target for disrupting cancer progression.

References

1. Conze T, et al. (2003) Ann N Y Acad Sci. 996:222-6.
2. Wortmann A, et al. (2009) IUBMB Life. 61(7):723-30.
3. Khan T, et al. (2021) Cancer Res. 1;81(9):2259-2269.
4. Qi X, et al. (2022) Life Sci. 15;301:120600.

Synonyms

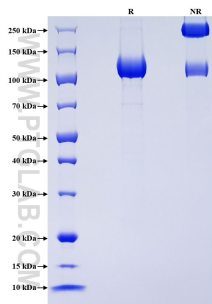
CD318, CUB domain-containing protein 1, Membrane glycoprotein gp140, SIMA135, Subtractive immunization M plus HEp3-associated 135 kDa protein

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

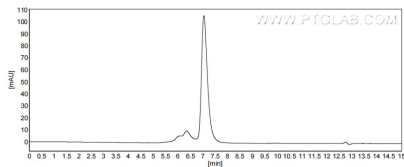
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Selected Validation Data



Purity of Recombinant Human CDCP1 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 CDCP1 was greater than 90% as determined by SEC-HPLC.