Human CD7, His Tag, CHO

Catalog Number	LDG034PHM
Package	5 μg / 20 μg / 100 μg / Customized package

For full product information, images and publications, please visit our website.

Specifications

Species of Origin
Human

Expression system
CHO

Affinity Tag
His Tag (C-term)

Buffer
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity
>95% as determined by SDS-PAGE analysis.

Molecular weight
The protein has a calculated MW of 17.24 kDa.
The protein migrates as 25-35 kDa under reducing condition (SDS-PAGE analysis).

Endotoxin level
<0.1 EU per 1 μg of the protein by the LAL method.

Mycoplasma
Not detected

Form
Lyophilized

Background

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Background

CD7 protein, a transmembrane glycoprotein, is primarily expressed on T cells and NK cells. It functions as a co-stimulatory molecule in T cell activation and mediates adhesion between immune cells. CD7 also plays a role in T cell development and migration to peripheral tissues. Aberrant CD7 expression is observed in T cell malignancies, such as T cell acute lymphoblastic leukemia (T-ALL). Targeting CD7 has therapeutic potential for treating T cell malignancies. Understanding CD7's roles in immune regulation and cancer biology is crucial for developing targeted therapies and diagnostic tools for T cell-related disorders.

Synonyms

T-cell antigen CD7, GP40, T-cell leukemia antigen, T-cell surface antigen Leu-9, TP41

Uniprot ID

P09564

Sequence Note

Met1-Pro180

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in 4 mM HCl to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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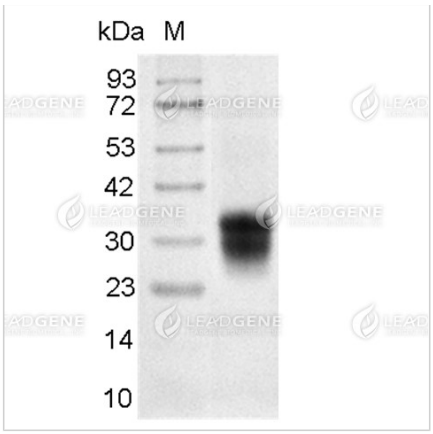

SDS-PAGE analysis of recombinant human CD7.

Disclaimer : For Research Use or Further Manufacturing Only.

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