

Recombinant human CD7 protein

Catalog Number: ATGP2289

PRODUCT INFORMATION

Expression system

E.coli

Domain

26-180aa

UniProt No.

P09564

NCBI Accession No.

NP_006128

Alternative Names

T-cell antigen CD7, GP40, LEu-9, Tp40, TP41

PRODUCT SPECIFICATION

Molecular Weight

18.8 kDa (178aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

T-cell antigen CD7, also known as CD7, is a type I transmembrane glycoprotein that is expressed on pluripotential hemapoietic cells, most human thymocytes and some peripheral blood T cells. The CD7 molecule is absent in a subset of human T cells under certain physiologic conditions. Thus an increase in CD7 negative T cells can be seen in some inflammatory skin disease. Recombinant human CD7 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSAQEVQQS PHCTTVPVGA SVNITCSTSG GLRGIYLRQL GPQPQDIIYY EDGVVPTTDR
RFRGRIDFSG SQDNLITIMH RLQLSDTGTY TCQAITEVNV YGSGTLVLVT EEQSQGWHRC SDAPPRASAL PAPPTGSALP
DPQTASALPD PPAASALP

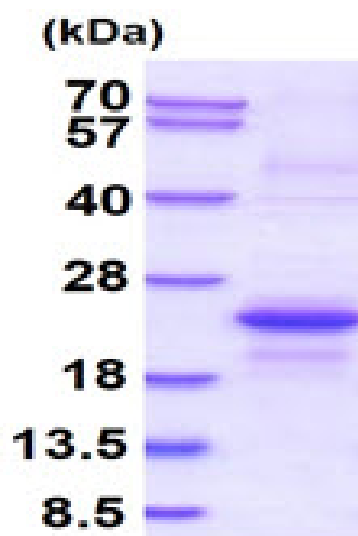
General References

Barcena A., et al. (1995) Leuk Lymphoma. 17:1-11.

Leta E., et al. (1995) Cell Immunol. 165:101-109.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)