

Recombinant human CD7 protein

Catalog Number: ATGP3577

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

26-180aa

UniProt No.

P09564

NCBI Accession No.

NP_006128

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

17.5 kDa (164aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

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

CD7, also known as T-cell antigen CD7, is glycosylated and palmitoylated transmembrane protein in the immunoglobulin superfamily. It is expressed on T cells, NK cells, myeloid progenitor cells, and CD19+ B progenitor cells. Among CD8+ T cells, the CD7-bright population preferentially contains naive and memory cells, while more weak expressors are primarily effector cells. Recombinant human CD7 protein, fused to His-tag at C-

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terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADLAQEVQQS PHCTTVPVGA SVNITCSTSG GLRGIYLRQL GPQPQDIYY EDGVVPTTDR RFRGRIDFSG SQDNLITMH
RLQLSDTGTY TCQAITEVNV YGSGTLVLVT EEQSQGWHRC SDAPPRASAL PAPPTGSALP DPQTASALPD PPAASALPHH
HHHH

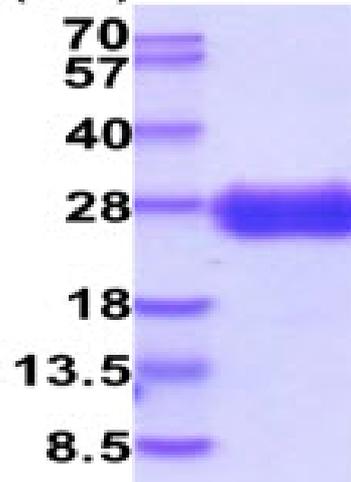
General References

Gerby B. et al., (2011) Leukemia. 25: 1249-1258.
Iliadis A. et al., (2016) Pathology. 48:731-733.

DATA

SDS-PAGE

(kDa)



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

15% SDS-PAGE (3ug)