

Recombinant human CD164 protein

Catalog Number: ATGP3708

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

24-162aa

UniProt No.

Q04900

NCBI Accession No.

NP_006007

Alternative Names

Sialomucin core protein 24 isoform 1, CD164, DFNA66, endolyn, MGC-24, MGC-24v, MUC-24

PRODUCT SPECIFICATION

Molecular Weight

15.6 kDa (148aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

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

Purity

> 85% 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

CD164, also known as sialomucin core protein 24 isoform 1, is a type I transmembrane O-glycosylated protein that is expressed on activated perivascular and stromal cells in embryonic and tumor neovasculature. It plays a key role in hematopoiesis by facilitating the adhesion of CD34+ cells to the stroma and by negatively regulating CD34+CD38 (lo/-) cell proliferation. This protein also plays an important role in prostate cancer metastasis and

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the infiltration of bone marrow by cancer cells. Recombinant human CD164 protein, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

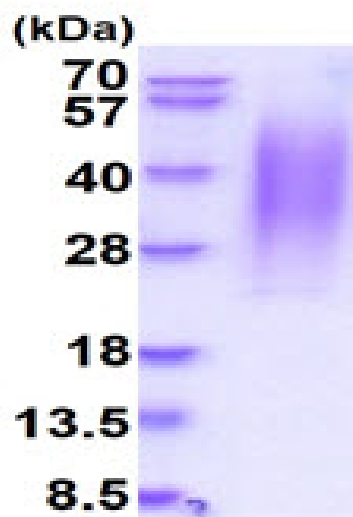
ADPDKNTTQH PNVTTLAPIS NVTSAPVTSL PLVTTTAPET CEGRNSCVSC FNVSVVNTTC FWIECKDESY CSHNSTVSDC
QVGNTTDFCS VSTATPVPTA NSTAKPTVQP SPSTTSKTVT TSGTTNNTVT PTSQPVRKST FDHHHHHH

General References

Huang AF., et al, (2013) Mol Cancer. 12:115.
Guenova E., et al, (2016) Acta Derm Venereol. 96:464-467.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)