

Product information

CD164, 24-162aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3708

Full name: Sialomucin core protein 24 isoform 1

NCBI Accession No.: NP_006007

Synonyms: CD164, DFNA66, endolyn, MGC-24, MGC-24v, MUC-24

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 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.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 15.6kDa (148aa)

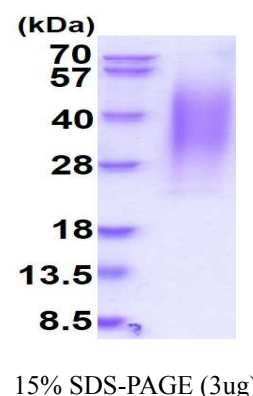
28-57KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 85% by SDS - PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



Sequences of amino acids:

ADPKNTTQH PNVTTLAPIS NVTSAVPTSL PLVTPAPET 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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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Product information

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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