## **PRODUCT INFORMATION**

**Expression system** E.coli

**Domain** 28-188aa

**UniProt No.** Q9NY25

NCBI Accession No. NP\_037384

#### **Alternative Names**

C-type lectin domain family 5 member A, C-type lectin domain family 5 member A isoform 1, CLEC5A, CLECSF5, MDL-1, MDL1, Macroprhage lectin 2

## **PRODUCT SPECIFICATION**

## **Molecular Weight**

20.8 kDa (184aa)

**Concentration** 0.25mg/ml (determined by Bradford assay)

Formulation

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

**Purity** > 80% 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

CLE5CA, also known as C-type lectin superfamily member 5 (CLECSF5) and myeloid DAP12-associating lectin 1 (MDL1), is a C-type lectin. It appears to be a member of a significant myeloid lineage activating pathway. This protein functions as a positive regulator of osteoclastogenesis and regulates inflammatory responses. Recombinant human CLEC5A protein, fused to His-tag at N-terminus, was expressed in E. coli.



#### **Amino acid Sequence**

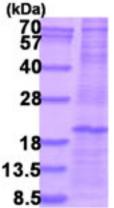
MGSSHHHHHH SSGLVPRGSH MGSPQIFNKS NDGFTTTRSY GTVSQIFGSS SPSPNGFITT RSYGTVCPKD WEFYQARCFF LSTSESSWNE SRDFCKGKGS TLAIVNTPEK LKFLQDITDA EKYFIGLIYH REEKRWRWIN NSVFNGNVTN QNQNFNCATI GLTKTFDAAS CDISYRRICE KNAK

#### **General References**

Bakker AB. et al. (1999) Proc Natl Acad Sci u S A. 96:9792-9796. Chen ST. et al. (2008) Nature. 453:672-676.

## DATA

# SDS-PAGE



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

15% SDS-PAGE (3ug)