# NKMAXBio We support you, we believe in your research

## Recombinant human CD161/KLRB1 protein

Catalog Number: ATGP3675

#### PRODUCT INFORMATION

### **Expression system**

Baculovirus

#### **Domain**

67-225aa

#### UniProt No.

012918

#### **NCBI Accession No.**

NP 002249.1

#### **Alternative Names**

Killer cell lectin like receptor B1, Killer cell lectin-like receptor subfamily B member 1, C-type lectin domain family 5 member B, HNKR-P1a, NKR-P1A, Natural killer cell surface protein P1A, CD161, CLEC5B, NKRP1A, NKR-P1

#### **PRODUCT SPECIFICATION**

## **Molecular Weight**

45.7 kDa (401aa)

#### **Concentration**

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

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

#### **Purity**

> 90% by SDS-PAGE

#### **Endotoxin level**

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

#### Tag

hlgG-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**

KLRB1, also known as killer cell lectin-like receptor subfamily B member 1, is classified as a type II membrane protein because it has an external C terminus. It is expressed by NK cells and may be involved in the regulation of NK cell function. It plays a novel and important role in B cell maturation within the GC in humans. It is



# NKMAXBIO We support you, we believe in your research

## Recombinant human CD161/KLRB1 protein

Catalog Number: ATGP3675

expressed by lymphocytes found in human gut and liver, as well as blood, especially natural killer (NK) cells, T helper 17 (Th17) cells, and a population of unconventional T cells known as mucosal-associated invariant T (MAIT) cells. It is also expressed, at intermediate levels, on a prominent subset of polyclonal CD8+ T cells, including antiviral populations that display a memory phenotype. Recombinant human KLRB1, fused to hlgG-Histag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

#### **Amino acid Sequence**

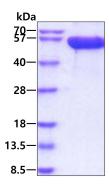
<ADP>QKSSIEK CSVDIQQSRN KTTERPGLLN CPIYWQQLRE KCLLFSHTVN PWNNSLADCS TKESSLLLIR DKDELIHTQN LIRDKAILFW IGLNFSLSEK NWKWINGSFL NSNDLEIRGD AKENSCISIS QTSVYSEYCS TEIRWICQKE LTPVRNKVYP DS<LEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLP PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSLS LSPGKHHHHH H>

#### **General References**

Fergusson JR., et al. (2016) Mucosal Immunol. 9:401-413. Llibre A1., et al. (2016) J Immunol. 196:2085-2094.

#### **DATA**

#### **SDS-PAGE**



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

