KLRB1, human recombinant

CATALOG #: 7352-100 100 µg

ALTERNATE NAMES: Killer cell lectin-like receptor subfamily B member 1, CD161, CLEC5B, hNKR-P1A, NKR, NKR-P1, NKR-P1A, NKRP1A

SOURCE: E. coli

PURITY: > 85% by SDS-PAGE

MOL. WEIGHT: 21 kDa (183 aa, 67-225 aa + His Tag), confirmed by MALDI-TOF.

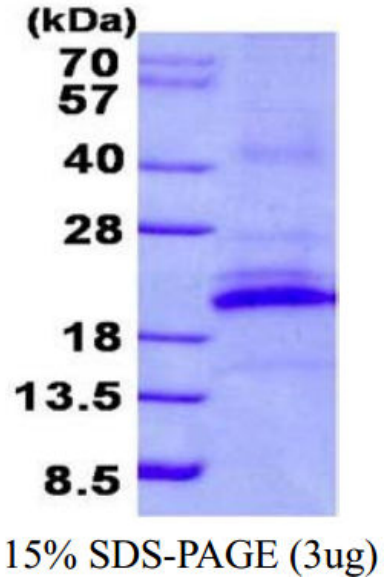
FORM: Liquid

FORMULATION: 1 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol.

STORAGE CONDITIONS: 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.

DESCRIPTION: Killer cell lectin-like receptor subfamily B member 1, also known as KLRB1, plays an inhibitory role on natural killer (NK) cells cytotoxicity. Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKRP1 family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an external C terminus. Recombinant human KLRB1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AMINO ACID SEQUENCE: MGSSHHHHHH SSGLVPRGSH MGSM QKSSIE KCSVDIQQSR NKTTERPGLL NCPIYWQQLR EKCLLFSHTV NPWNNSLADC STKESSLLLI RDKDELIHTQ NLIRDKAILF WIGLNFSLSE KNWKWINGSF LNSNDLEIRG DAKENSCISI SQTSVYSEYC STEIRWICQK ELTPVRNKVY PDS



15% SDS-PAGE (3ug)

KLRB1, human recombinant

RELATED PRODUCTS:

- KLRC2, Human Recombinant **(Cat # 7353-50)**
- KLRC3, Human Recombinant **(Cat # 7354-100)**
- KLRG1, Human Recombinant **(Cat # 7355-50)**
- KLRK1, Human Recombinant **(Cat # 7356-100)**

FOR RESEARCH USE ONLY! Not to be used in humans.