www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

KLRB1 Human

Catalog #:PRPS-1196

For research use only.

Description:KLRB1 Human Recombinant produced in E. coli is a single polypeptide chain containing 183 amino acids (67-225) and having a molecular mass of 21.0 kDa.KLRB1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMQKSSIE KCSVDIQQSR NKTTERPGLL NCPIYWQQLR EKCLLFSHTV NPWNNSLADC STKESSLLLI RDKDELIHTQ NLIRDKAILF WIGLNFSLSE KNWKWINGSF LNSNDLEIRG DAKENSCISI SQTSVYSEYC STEIRWICQK ELTPVRNKVY PDS

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:
The KLRB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 4M urea and 10% glycerol.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
KLRB1 has an inhibitory role on natural killer (NK) cells cytotoxicity which are lymphocytes who facilitate cytotoxicity and secrete cytokines subsequent to immune stimulation. Some genes of the C-type lectin superfamily, like the rodent NKRP1 family of glycoproteins, are expressed by NK cells and take part in NK cell function regulation. KLRB1 holds an extracellular domain with a few characteristic motifs of C-type lectins, a transmembrane domain, and a cytoplasmic domain. Due to its external C terminus KLRB1 is considered to be a type II membrane protein.

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