
Product Data Sheet

Product Name: KLRG1 Human
 Cat. No.: GP23762
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Killer cell lectin-like receptor subfamily G member 1; C-type lectin domain family 15 member A; ITIM-containing receptor MAFA-L; MAFA-like receptor; Mast cell function-associated antigen; KLRG1; CLEC15A; MAFA; MAFAL; 2F1; MAFA-L; MAFA-2F1; MAFA-LIKE.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSLCQGSNY STCASCPCPC DRWMKYGNHC YYFSVEEKDW NSSLEFCLAR DSHLLVITDN QEMSLQVFL SEAFCWIGLR NNSGWRWEDG SPLNFSRISS NSFVQTCGAI NKNGLQASSC EVPLHWVCKK VRL.		
Formulation	KLRG1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Killer Cell Lectin-like Receptor Subfamily G, Member 1 (KLRG1) is a member of the killer cell lectin-like receptor (KLR) family, which is a group of transmembrane proteins preferentially expressed in NK cells. Natural killer (NK) cells are lymphocytes which mediate lysis of certain tumor cells and virus-infected cells without previous activation. NK cells can also regulate specific humoral and cell-mediated immunity. The cell surface expression of KLRG1 is up-regulated by MHC class I molecules expression.

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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KLRG1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 153 amino acids (60-189 a.a) and having a molecular mass of 17kDa. KLRG1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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