

Recombinant Human CD244 Molecule, Natural Killer Cell Receptor 2B4, His-tagged

Cat. No. CD244-6969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD244 protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	19-224aa
Description	CD244 contains 2 Ig-like domains. A role for the subtypes of CD2 Ig superfamily receptors has been recently demonstrated in eosinophilic inflammation in experimental asthma and atopic asthmatics. Functions of CD244 molecules are in eosinophil adhesion and chemotaxis, and correlated the results to the pathophysiology of allergic rhinitis (AR). The cluster of differentiation is a protocol used for the identification and investigation of cell surface molecules present on white blood cells initially.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 0.4M Urea.
Molecular Mass	25.5 kDa (230aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MSHGKGCQG SADHVVSISG VPLQLQPNSI QTKVDSIAWK KLLPSQNGFH HILKWENGL PSNTSND RFS FIVKNLSLLI KAAQQQDSGL YCLEVTSISG KVQTATFQVF VFDKVEKPRL QGQGKILDRG

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	RCQVALSCLV SRDGNVSYAW YRGSKLIQTA GNLTYLDEEV DINGHTHTYTC NVSNPVSWES HTLNLTQDCQ NAHQEFRFWP
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	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.
Concentration	0.5mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CD244 CD244 molecule, natural killer cell receptor 2B4 [Homo sapiens]
Official Symbol	CD244
Synonyms	CD244; CD244 molecule, natural killer cell receptor 2B4; CD244 natural killer cell receptor 2B4 , natural killer cell receptor 2B4; natural killer cell receptor 2B4; 2B4; NAIL; NKR2B4; Nmrk; SLAMF4; h2B4; NK cell activation-inducing ligand; NK cell type I receptor protein 2B4; NK cell activation inducing ligand NAIL;
Gene ID	51744
mRNA Refseq	NM_001166663
Protein Refseq	NP_001160135
MIM	605554

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UniProt ID	Q9BZW8
Chromosome Location	1q23.1
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;
Function	protein binding; receptor activity;

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