

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

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

## SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant human CD244 protein, fused to His-tag at N-terminus, was expressed in E. coli.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | 19-224aa  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Liquid. In 20 mM Tris-HCl buffer, pH8.0, 0.4M Urea.   |
| <b>Molecular Mass</b>   | 25.5 kDa (230aa)  |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MSHGKGCQG SADHVVSISG VPLQLQPNSI<br>QTKVDSIAWK KLLPSQNGFH HILKWENGL PSNTSNDRFS FIVKNLSLLI<br>KAAQQQDSSL YCLEVTSISG KVQTATFQVF VFDKVEKPRL QGQGKILDRG  |

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RCQVALSCLV SRDGNVSYAW YRGSKLIQTA GNLTYLDEEV DINGHTYTC  
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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|----------------------------|--|
| <b>UniProt ID</b>          | Q9BZW8   |
| <b>Chromosome Location</b> | 1q23.1   |
| <b>Pathway</b>             | Cell surface interactions at the vascular wall, organism-specific biosystem;<br>Hemostasis, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem; |
| <b>Function</b>            | protein binding; receptor activity;  |

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