

CD244 (Human) Recombinant Protein

Catalog # P9671

Size 2 x 10 ug

Specification

Product Description	Human CD244 (Q9BZW8, 19 a.a. - 224 a.a.) partial recombinant protein with His tag at N-terminus expressed in <i>Escherichia coli</i> .
Sequence	MGSSHHHHHHSSGLVPRGSHMGSHGKGCQGSADHVVSSISGVPLQLQPNSIQTKVDSIAWKLLP SQNGFHHILKWENGLPSNTSNDRFSFIVKNLSLLIKAAQQQDSGLYCLEVTSISGKVQTATFQVF VFDKVEKPRLQGQKILDRGCQVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEVDINGT HTYTCNVSNPVSWEHTLNLTDCCQNAHQEFRRWP
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	25.5
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 85.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In 20mM Tris-HCl pH 8.0 (0.4 M Urea)
Storage Instruction	Store at 2°C to 8°C for 2-4 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CD244

Entrez GeneID

[51744](#)

Protein Accession#	Q9BZW8
Gene Name	CD244
Gene Alias	2B4, NAIL, NKR2B4, Nmrk, SLAMF4
Gene Description	CD244 molecule, natural killer cell receptor 2B4
Omim ID	605554
Gene Ontology	Hyperlink
Gene Summary	Natural killer (NK) cells express both activating and inhibitory cell surface receptors. Inhibitory signaling receptors all possess cytoplasmic immunoreceptor tyrosine-based inhibitory motifs, or ITIMs, whereas the activating receptors lack ITIMs and associate with DAP12 (TYROBP; MIM 604142), which contains an immunoreceptor tyrosine-based activation motif, or ITAM. Killer cell immunoglobulin (Ig)-like receptors, or KIRs (see KIR2DL1; MIM 604936), and other NK cell receptors interact with major histocompatibility complex (MHC) molecules (see MIM 142800). Members of the CD2 (MIM 186990) family adhere to each other instead. The cell surface glycoprotein 2B4 is related to CD2 and is implicated in the regulation of NK- and T-cell function (Boles et al., 1999 [PubMed 10 458320]).[supplied by OMIM]
Other Designations	CD244 natural killer cell receptor 2B4 NK cell activation inducing ligand NAIL OTTHUMP00000027884 natural killer cell receptor 2B4

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Arthritis](#)
- [Cell Transformation](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Tobacco Use Disorder](#)