

CD244 (Human) Recombinant Protein

Catalog # P9672

Size 2 x 10 ug

Specification

Product Description	Human CD244 (Q9BZW8, 19 a.a. - 224 a.a.) partial recombinant protein with hlgG-His tag at C-terminus expressed in Sf9 cells.
Sequence	ADLGKGCQGSADHVVSIISGVPLQLQPNSIQTKVDSIAWKKLLPSQNGFHHILKWENGLPSNTSN DRFSFIVKNLSLLIKAAQQQDSGLYCLEVTSISGKVQTATFQVFVFDKVEKPRLQGQGGKILDRGRC QVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEVDINGHTYTCNVSNPVSWEHTLNLTK DCQNAHQEFRFWPLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVD VSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKAL PAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHH
Host	insect
Theoretical MW (kDa)	50.2
Form	Liquid
Preparation Method	Sf9 cell expression system
Purity	> 90.0% by SDS-PAGE
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS pH 7.4 (10% glycerol)
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](#)