

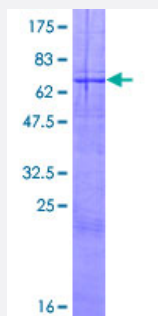
Full-Length

CD244 (Human) Recombinant Protein (P01)

Catalog # H00051744-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CD244 full-length ORF (NP_057466.1, 1 a.a. - 365 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLGQVVTLLLLLLKVYQGKGCQGSADHVVSISGVPLQLQPNSIQTKVDSIAWKKLLPSQNGFHHIL
KWENGLPSNTSNDRFSEFVKNLSLLIKAAQQQDSGLYCLEVTSISGKVQTATFQVFVFDKVEKPR
LQGQKILDRGRCQVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEVDINGHTYTCNVSNP
VSWESHTLNLQDCQNAHQEFWFVFLVIVILSALFLGTLACFCVWRRKRKEKQSETSPKEFLTY
EDVKDLKTRRNHEQEQTFFGGSTYSMIQSQSSAPTSQEPAYTLYSLIQPSRKSGSRKRNHSPSF
NSTIYEVIGKSQPKAQNPARLSRKELENFDVYS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.5

Interspecies Antigen Sequence

Mouse (48); Rat (43)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CD244

Entrez GeneID[51744](#)**GeneBank Accession#**[NM_016382.2](#)**Protein Accession#**[NP_057466.1](#)**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 10458320]).[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](#)