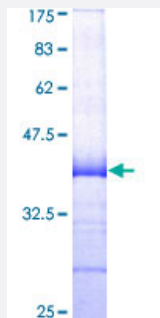


# CD244 (Human) Recombinant Protein (Q01)

Catalog # H00051744-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human CD244 partial ORF ( AAH53985, 125 a.a. - 224 a.a.) recombinant protein with GST-tag at N-terminal. |
| <b>Sequence</b>                      | VFDKVEKPRLQGQGKILDRGRCQVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEVDINGTHTYTCNVSNPVSWEHTLNLQDCQNAHQEFRRFWP      |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                    |
| <b>Theoretical MW (kDa)</b>          | 36.74                                                                                                    |
| <b>Interspecies Antigen Sequence</b> | Mouse (48); Rat (43)                                                                                     |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                    |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                        |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                              |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                 |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Note</b>                          | 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# [BC053985](#)

Protein Accession# [AAH53985](#)

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](#)