

Proteoliposomes

Full-Length

CD244 (Human) Recombinant Protein

Catalog # H00051744-G01

Size 10 ug

Specification

Product Description	Human CD244 full-length ORF (NP_057466.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MLGQVVTLLLLLLKVYQGKGCQGSADHVVSISGVPLQLQPNSIQTKVDSIAWKKLLPSQNGFHHIL KWENGLSPSNTSNDRFSFIVKNLSLLIKAAQQQDSGLYCLEVTSISGKVQTATFQVFVFDKVEKPR LQGQKILDRGRCQVALSCLVSRDGNVSYAWYRGSKLIQTAGNLTYLDEEV DINGHTYTCNVSNP VSWESHTLNLTDQCNAHQEF RFWPFLVIMILSALFLGTLACFCVWRRKRKEKQSETSPKEFLT Y EDVKDLKTRRNHEQEQT FPGGGSTIYSMIQSQSSAPTSQEPAYTLYSLIQPSRKSGSRKRNHSPSF NSTIYEVIGKSQPKAQNPARLSRKELENFDVYS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.1
Interspecies Antigen Sequence	Mouse (48); Rat (43)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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

- Antibody Production

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 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](#)