



**Catalog Number:** PR27308

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MGSHGKGCQG SADHVVSISG VPLQLQPNSI QTKVDSIAWK  
KLLPSQNGFH HILKWENGL PSNTSNDRF S FIVKNLSLLI KAAQQDSGL YCLEVTSISG  
KVQTATFQVF VFDKVEKPR L QGQKILDRG RCQVALSCLV SRDGNVSYAW YRGSKLIQTA  
GNLTYLDEEV DINGTHTYTC NVSNPVSWES HTLNLTQDCQ NAHQEFRFWP.

**Description/Molecular Mass:** Cluster of Differentiation 244 (CD244/Natural Killer Cell Receptor 2B4) contains 2 Ig-like (immunoglobulin-like) domains. CD244 is a cell surface receptor expressed on natural killer (NK) cells (and some T cells) which mediate non-major histocompatibility complex (MHC) restricted killing. NK-cell and target cells interaction via the CD244 receptor is believed to modulate NK-cell cytolytic activity. CD244 molecules function in eosinophil adhesion and chemotaxis, and have a role in the pathophysiology of allergic rhinitis (AR).

CD244 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 230 amino acids (19-224 a.a) and having a molecular mass of 25.5kDa.

CD244 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Purity:** Greater than 85.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** CD244 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH8.0 and 0.4M Urea.

**Storage:** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### FOR RESEARCH USE ONLY

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