



**Catalog Number:** PR27292

**Product Type:** Recombinant Protein

**Source:** E. Coli

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MGSMKEITNA LETWGALGQD INLDIPSFQM SDDIDDIKWE  
KTSDKKKIAQ FRKEKETFKE KDTYKLFKNG TLKIKHLKTD DQDIYKVSII DTKGKNVLEK  
IFDLKIQERV SKPKISWTCI NTTLTCEVMN GTDPELNLYQ DGKHLKLSQR VITHKWTTSL  
SAFKCTAGN KVSKESSVEP VSCPEKGLD.

**Description/Molecular Mass:** CD2 which is also known as E-rosette receptor, T11 and lymphocytefunction antigen-2 (LFA-2) is expressed on T cells, thymocytes, and subset of natural killer cells. Human CD2 functions as the receptor for sheep erythrocytes, human CD58 (LFA-3), and CD15s (Sialyl Lewis X). p56lck, p59fyn, CD3eta and CD3epsilon are tyrosine-phosphorylated after CD2 stimulation. CD2 plays a role in T cell activation, T- or NK-cell-mediated cytolysis, apoptosis in activated peripheral T cells, and regulation of T cell energy.

CD2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 209 amino acids (25-209 a.a) and having a molecular mass of 23.8kDa.

CD2 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:** CD2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol 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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