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# 32-6534: CD4 (26-396) Human

**Alternative Name :** CD4 Molecule, T-Cell Surface Glycoprotein CD4, T-Cell Surface Antigen T4/Leu-3, CD4 Antigen (P55), CD4 Receptor, CD4 Antigen, CD4mut, T-cell surface glycoprotein CD4.

## Description

Source: E.coli.
Sterile Filtered colorless solution.
CD4 is a cell-surface glycoprotein found on the mature helper T cells and immature thymocytes, as well as on monocytes and macrophages. (Some cytotoxic T cells have CD4 protein as well.) Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with either have CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.
CD4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 396 amino acids (26-396 a.a) and having a molecular mass of 44kDa. CD4 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

## Product Info

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|---|---|
| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 85% as determined by SDS-PAGE. |
| **Content :** | CD4 protein solution (0.25mg/ml) containing 20mM Tris Hcl, PH8.0 and 10% glycerol. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MGSHMKKVVL GKKGDTVELT CTASQKKSIQ FHWKNSNQIK ILGNQGSFLT KGPSKLNDRA DSRRSLWDQG NFPLIIKNLK IEDSDTYICE VEDQKEEVQL LVFGLTANSD THLLQGQSLT LTLESPPGSS PSVQCRSPRG KNIQGGKTLS VSQLELQDSG TWTCTVLQNQ KKVEFKIDIV VLAFQKASSI VYKKEGEQVE FSFPLAFTVE KLTGSGELWW QAERASSSKS WITFDLKNKE VSVKRVTQDP KLQMGKKLPL HLTLPQALPQ YAGSGNLTLA LEAKTGKLHQ EVNLVVMRAT QLQKNLTCEV WGPTSPKLML SLKLENKEAK VSKREKAVWV LNPEAGMWQC LLSDSGQVLL ESNIKVLPTW STPVQP. |

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