

## 32-9042: Recombinant Human B7-1/CD80 (C-His)

**Alternative Name :** CD80, Activation B7-1 antigen, B7, BB1, CD28LG1, CD28LGB7-1 antigen, T-lymphocyte activation antigen CD80

### Description

Source : Human 293 Cells;

CD80, also known as B7-1, is a member of cell surface immunoglobulin superfamily. CD80 is predominately expressed on the surface of antigen-presenting cells including activated B cells, macrophages and dendritic cells. CD80 and CD86, together with their receptors CD28 and CTLA4, form one of the dominant co-stimulatory pathways that mediate T- and B-cell responses. Although both CD28 and CTLA4 can bind to CD80 and CD86, CTLA-4 has 20-100 fold higher affinity than CD28 plays a role in the down-regulation of the immune response. CD80 is also involved in the induction of innate immune responses by activating NF-kB-signaling pathway in macrophages. Therefore, CD80 has the potential to be promising therapeutic targets for autoimmune diseases and various carcinomas.

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Lyophilized from a 0.2 um filtered solution of PBS, pH7.4

**Amino Acid :** Recombinant Human CD80 is produced with our Mammalian expression system. The target protein is expressed with sequence (Val35-Asn242) of Human CD80 fused with a 6-His tag at the C-terminus.