# Recombinant Human CD27

## Catalog No: CX60

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| **Description** | Recombinant Human CD27 is produced by our Mammalian expression system and the target gene encoding Thr21-Ile192 is expressed with a Fc, 6His tag at the C-terminus. |
| **Source** | Human Cells |
| **Alternative name** | CD27 antigen; CD27L receptor; T-cell activation antigen CD27; Tumor necrosis factor receptor superfamily member 7; T14 and TNFRSF7. |
| **Accession No.** | P26842 |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of 20mM Tris,150mM NaCl, pH 8.0. |
| **Reconstitution** | Always centrifuge tubes before opening. Do not mix by vortex or pipetting.<br>It is not recommended to reconstitute to a concentration less than 100μg/ml.<br>Dissolve the lyophilized protein in distilled water.<br>Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| **Quality Control** | Purity: Greater than 95% as determined by reducing SDS-PAGE.<br>Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test. |
| **Shipping** | The product is shipped at ambient temperature.<br>Upon receipt, store it immediately at the temperature listed below. |
| **Storage** | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.<br>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.<br>Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| **Amino Acid Sequence** | TPAPKSCPERHYWAQGKLCCQMCEPGTFLVKDCDQHRKAAQCDPCIPGVSFSPDHHTRPHCESCRHC<br>NSGLLVRNCTITANAECACRNGWQCRDKECTECDPLPNPSLTARSSQALSPHPQPTHLPYVSEMLEART<br>AGHMQTLADFRQLPARTLSTHWPPQRSLCSSDFIRIVDDIEGRMDEPKSCDKTHTCPPCPAPELLGGPS<br>VFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVL<br>HQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAV<br>EWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK<br>HH HHHH |
| **Background** | CD27 antigen is also known as CD27L receptor, T-cell activation antigen CD27, Tumor necrosis factor receptor superfamily member 7, T14 and TNFRSF7. In humans, it is encoded by the CD27 gene. CD27 is a single-pass type I membrane protein with 3 TNFR-Cys repeats. It is a member of the TNF-receptor superfamily and is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. It plays a role in survival of activated T-cells and apoptosis through association with SIVA1. |

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