

## 32-13743: CD27 Human, HEK

**Alternative Name :** Tumor Necrosis Factor Receptor Superfamily Member 7, T-Cell Activation Antigen CD27, CD27 Molecule, CD27 Antigen, T Cell Activation Antigen S152, CD27L Receptor, TNFRSF7, S152, Tp55, T14.

### Description

Source: HEK293 Cells.

Physical Appearance: Sterile Filtered colorless solution.

ED50 range is = 0.8 ug/ml. Defined by its binding ability in a functional ELISA with Human CD27 Ligand/TNFSF7.

CD27 belongs to the TNF-receptor superfamily. CD27 is necessary for initiation and long-term maintenance of T cell immunity. CD27 binds to ligand CD70, and has a crucial role in regulating B-cell activation and immunoglobulin synthesis. The CD27 receptor transduces signals which result in the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 mediate the signaling process of CD27. CD27-binding protein (SIVA), which is a proapoptotic protein, can bind to the CD27 receptor and is believed to have a significant role in the apoptosis induced by CD27.

CD27 Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (20-191 a.a) containing a total of 411 amino acids, having a molecular mass of 46.2kDa. CD27 is fused to a 239 amino acid hlgG-His-Tag at C-terminus, and is purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 10 µg / 2 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**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 :** ATPAPKSCPE RHYWAQGKLC QMCPEGTFL VKDCDQHRKA AQCDPCIPGV SFSPDHHTRP  
HCESCRHCNS GLLVRNCTIT ANAECACRNG WQCRDKECTE CDPLNPSTL ARSSQALSPH PQPTLHPYVS  
EMLEARTAGH MQTLADFRQL PARTLSTHWP PQRSCLSSDF IRLEPKSCDK THTCPPCPAP ELLGGPSVFL  
FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD  
WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ VSLTCLVKGF YPSDIAVEWE  
SNGQPENNYK TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMEAL HNHYTQKSLS  
LSPGKHHHHH H