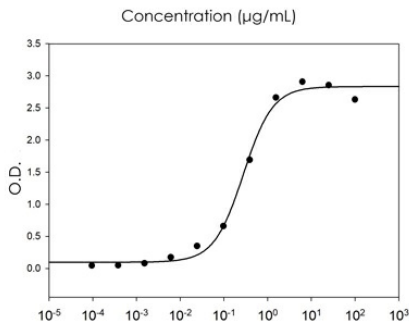
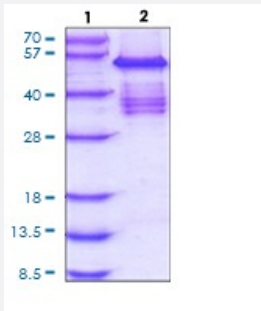


Bioactive

CD27 (Human) Recombinant Protein

Catalog # P7982 Size 100 ug

Applications



Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description

Human CD27 (P26842, 21 a.a. - 191 a.a.) partial length recombinant protein with hlgG-His tag expressed in Baculovirus expression system.

Sequence

TPAPKSCPERHYWAQGKLCCQMCEPGTFLVKDCDQHRKAAQCDCIPGVSFSPDHHTRPHCE
SCRHCNSGLLVNRNCTITANAECACRNGWQCRDKECTECDPLPNPSLTARSSQALSPHPQPTHL
PYVSEMLEARTAGHMQTLADFRQLPARTLSTHWPPQRSLSDFSDFIR

Host

Viruses

Theoretical MW (kDa)

46.4

Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 85% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED ₅₀ is < 0.5 ug/mL, measured by the binding ability in a functional ELISA with Human CD27 Ligand /TNFSF7.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — CD27

Entrez GeneID	939
Protein Accession#	P26842
Gene Name	CD27
Gene Alias	MGC20393, S152, T14, TNFRSF7, Tp55
Gene Description	CD27 molecule
Omim ID	186711
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor 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. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq]

Other Designations

CD27 antigen|CD27L receptor|T cell activation antigen CD27|T cell activation antigen S152|tumor necrosis factor receptor superfamily, member 7

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Kidney Failure](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)