

CD27/TNFRSF7 recombinant protein

Recombinant human CD27/TNFRSF7 protein

CATALOG # AAA48413	HOST HEK293	APPLICATIONS SDS-Page
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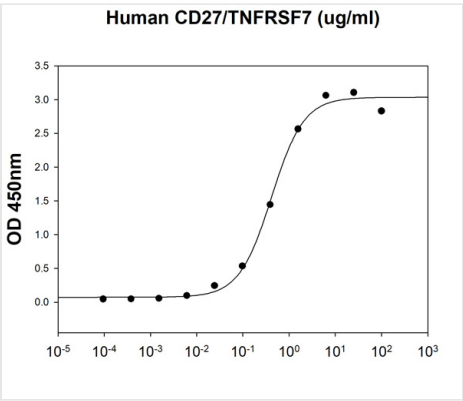
PRODUCT SYNONYMS

CD27/TNFRSF7; Recombinant human CD27/TNFRSF7 protein; CD27 antigen; CD27L receptor; T-cell activation antigen CD27; S152; LPFS2; T14; TNFRSF7; Tp55; CD27 molecule; CD 27; CD27_HUMAN; TNFRSF 7; CD27/TNFRSF7 recombinant protein

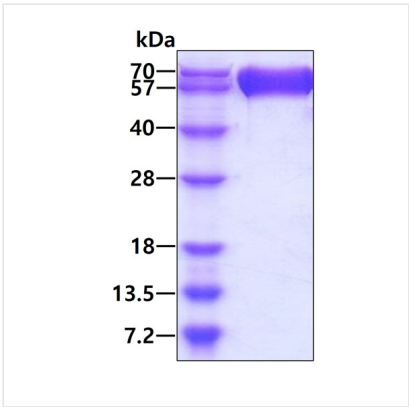
PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Concentration	0.5mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	20-191aa
Sequence	ATPAPKSCPE RHYWAQGKLC CQMCEPGTFL VKDCDQHRKA AQCDPCIPGV SFSPDHHTRP HCESCRHCNS GLLVRNCTIT ANAECACRNG WQCRDKECTE CDPLNPST ARSSQALSPH PQPTHLPYVS EMLEARTAGH MOTLADFRQL PARTLSTHWP PQRSLCSSDF IR
Applicable Applications for CD27/TNFRSF7 recombinant protein	Bioactivity, SDS-PAGE
Species	Human
Tag	hIgG-His-Tag
Predicted Nterm	Ala 20
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Bioactivity	Measured by its binding ability in a functional ELISA with Human CD27 Ligand/TNFSF7. The ED50 range <= 0.8 ug/ml.
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



Bioactivity
Human CD27 Ligand/TNFSF7 is coated at 10 ug/ml (100 ul/well) can bind Human CD27/TNFRSF7. The ED50 range



SDS-PAGE
3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain

ADDITIONAL INFORMATION

Related Product Information for CD27/TNFRSF7 recombinant protein	CD27, as known as TNFRSF7, is a member of the tumor necrosis factor receptor superfamily. It has been shown to play roles in lymphoid proliferation, differentiation, and apoptosis. It has an important role in the generation of T cell immunity and is an robust marker for normal memory B cells. Also, this protein plays a key role in regulating B-cell differentiation, activation and immunoglobulin synthesis. As a T and B cell co-stimulatory molecule, the activity of CD27 is governed by its TNF-like ligand CD 70 on lymphocytes and dendritic cells. It binds to ligand CD70, and CD27/CD70 co-stimulatory system promote T, B and NK cell responses and particularly the CTL response, and is a target in cancer immunotherapy. Recombinant human CD27, fused to hIgG-His-tag at C-terminus, was expressed in HEK293 and purified by using conventional chromatography techniques.
Product Categories/Family for CD27/TNFRSF7 recombinant protein	Immunology
References	Clemente A., et al. (2013) Clin. Exp. Immunol. 174:97-108.; Huang J., et al. (2013) J. Immunol. 190:6250-6258.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507587
NCBI GeneID	939
NCBI Accession #	NP_001233.1
NCBI GenBank Nucleotide #	NM_001242.4
UniProt Accession #	P26842; B2RDZ0
Molecular Weight	29,137 Da
NCBI Official Full Name	CD27 antigen
NCBI Official Synonym Full Names	CD27 molecule
NCBI Official Symbol	CD27
NCBI Official Synonym Symbols	T14; S152; Tp55; TNFRSF7; S152. LPFS2
NCBI Protein Information	CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7
UniProt Protein Name	CD27 antigen
UniProt Gene Name	CD27
UniProt Synonym Gene Names	TNFRSF7

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cd27-recombinant-protein-hek293-bioactivity-sds-page/48413>