

## CD27/TNFRSF7 Protein, Human (HEK293, His-Fc)

<b>Cat. No.:</b>	HY-P72742
<b>Synonyms:</b>	CD27 antigen; CD27; T-cell activation antigen CD27; T14; TNFRSF7
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	P26842 (T21-I192)
<b>Gene ID:</b>	939
<b>Molecular Weight:</b>	Approximately 60 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>T P A P K S C P E R      H Y W A Q G K L C C      Q M C E P G T F L V      K D C D Q H R K A A</p> <p>Q C D P C I P G V S      F S P D H H T R P H      C E S C R H C N S G      L L V R N C T I T A</p> <p>N A E C A C R N G W      Q C R D K E C T E C      D P L P N P S L T A      R S S Q A L S P H P</p> <p>Q P T H L P Y V S E      M L E A R T A G H M      Q T L A D F R Q L P      A R T L S T H W P P</p> <p>Q R S L C S S D F I      R I</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>CD27/TNFRSF7 Protein, serving as the receptor for CD70/CD27L, potentially plays a critical role in the survival of activated T-cells, implicating its involvement in immune responses. Additionally, it may contribute to apoptosis through its association with SIVA1, suggesting a regulatory function in programmed cell death pathways. Existing as a homodimer, CD27/TNFRSF7 interacts with key proteins such as SIVA1 and TRAF2, indicating its engagement in intricate signaling cascades. The multifaceted roles of CD27/TNFRSF7 in T-cell survival and apoptosis underscore its significance in immune regulation and highlight its potential as a target for therapeutic interventions aimed at modulating immune responses.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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