

## PVRIG Protein, Cynomolgus (HEK293, His)

<b>Cat. No.:</b>	HY-P70466
<b>Synonyms:</b>	C7orf15; CD112R; PVRIG; transmembrane protein PVRIG; C7orf15MGC138295; MGC104322; MGC138297; MGC2463
<b>Species:</b>	Cynomolgus
<b>Source:</b>	HEK293
<b>Accession:</b>	A0A2K5WVV8 (T41-D171)
<b>Gene ID:</b>	102127364
<b>Molecular Weight:</b>	20-30 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>T P E V W V Q V Q M    E A T E L S S F T V    H C G F L G P G S I    S L V T V S W G G P</p> <p>D G A G G T K L A V    L H P E L G T R Q W    A P A R Q A R W E T    Q S S I S L A L E D</p> <p>S G A S S P F A N T    T F C C K F A S F P    E G S W E S C G S L    P P S S D P G L S A</p> <p>P P T P V P I L R A    D</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<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>PVRIG (PVR-related immunoglobulin domain-containing) protein is identified as a cell surface receptor for NECTIN2, functioning as a potential coinhibitory receptor that dampens T-cell receptor-mediated signals. Upon interacting with NECTIN2, PVRIG exerts its inhibitory effect by suppressing T-cell proliferation. Notably, PVRIG engages in a competitive binding scenario with CD226 for NECTIN2, implying a regulatory role in immune responses where it competes with an activating receptor. This competitive interaction with CD226 underscores PVRIG's involvement in modulating the delicate balance between activating and inhibitory signals during T-cell activation.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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