

PVR/CD155 Protein, Rhesus macaque (343a.a, HEK293, His)

Cat. No.:	HY-P7790
Synonyms:	rRhCD155, His; Poliovirus receptor; CD155 antigen; Nectin-like protein 5; Nectin-2; Tage4 receptor; PVR; CD155
Species:	Rhesus Macaque
Source:	HEK293
Accession:	Q0MSE6 (M1-N343)
Gene ID:	712851
Molecular Weight:	48-60 kDa

PROPERTIES

AA Sequence	<pre> M A R T M A A A W P P L L L A L L V L S W P P P G T G D I V V Q A P T Q V P G F L G D S V T L P C Y L Q V P G M E E T H V S Q L T W S R H G E S G S M A I F H Q T Q G P N Y S E P K R L E F V A A R L G T E L R D A S L R M F G L R V E D E G N Y T C L F V A F P Q G S R S V D I W L R V L A K P Q N T A E V Q K V Q L T G K P V P V A R C V S T G G R P P A H I T W H S D L G G M P N T S Q A P G F L S G T V T V T S L W I L V P S S Q V D G K S V T C K V E H E S F E K P Q L L T V N L T V Y Y P P E V S I S G Y D N N W Y L S Q N E A T L T C D A R S N P E P T G Y N W S T T M G P L P P F A V A Q G A Q L L I R P V D K P I N T T F I C N V T N A L G A R Q A E L T V Q V K E G P P S E H S G M S S N H H H H H H H </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against PBS, pH7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PVR/CD155, also known as the human poliovirus receptor (PVR) is a member of the subfamily of immunoglobulin (Ig)-like molecules composed of an N-terminal variable-like, followed by two constant-like extracellular domains, a single transmembrane region and a cytoplasmic tail of variable length. CD155 binds the extracellular matrix protein vitronectin
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thereby mediating cell to matrix contacts. The cytoplasmic tail of CD155 interacts with the μ 1B subunit of the clathrin adaptor complex resulting in directed transport of CD155 in polarized epithelial cells^{[1][2]}.

REFERENCES

[1]. Mandai K, et, al. Nectins and nectin-like molecules in development and disease. *Curr Top Dev Biol.* 2015;112:197-231.

[2]. Ravens I, et, al. Characterization and identification of Tage4 as the murine orthologue of human poliovirus receptor/CD155. *Biochem Biophys Res Commun.* 2003 Dec 26;312(4):1364-71.

Caution: Product has not been fully validated for medical applications. For research use only.

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