

PVR/CD155 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P7789
Synonyms:	rMuCD155, His; Poliovirus receptor; CD155 antigen; Nectin-like protein 5; Nectin-2; Tage4 receptor; PVR; CD155
Species:	Mouse
Source:	HEK293
Accession:	Q8K094 (D29-L348)
Gene ID:	52118
Molecular Weight:	55-65 kDa

PROPERTIES

AA Sequence	<pre> D I R V L V P Y N S T G V L G G S T T L H C S L T S N E N V T I T Q I T W M K K D S G G S H A L V A V F H P K K G P N I K E P E R V K F L A A Q Q D L R N A S L A I S N L S V E D E G I Y E C Q I A T F P R G S R S T N A W L K V Q A R P K N T A E A L E P S P T L I L Q D V A K C I S A N G H P P G R I S W P S N V N G S H R E M K E P G S Q P G T T T V T S Y L S M V P S R Q A D G K N I T C T V E H E S L Q E L D Q L L V T L S Q P Y P P E N V S I S G Y D G N W Y V G L T N L T L T C E A H S K P A P D M A G Y N W S T N T G D F P N S V K R Q G N M L L I S T V E D G L N N T V I V C E V T N A L G S G Q G Q V H I I V K E K P E N M Q Q N T R L H L 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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