

# Nectin-4

Catalog # PVGS1704

## Product Information

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<b>Primary Accession Species</b>	<a href="#">Q8R007</a> Mouse
<b>Sequence</b>	Gly31-Ser347
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Biological Activity</b>	Immobilized Nectin-4, His, Mouse (Cat.No.: Z03826) at 2 $\mu$ g/ml on the plate can bind Human Nectin-1, hFc Tag.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	35.4 kDa
<b>Formulation Reconstitution</b>	Lyophilized from a 0.22 $\mu$ m filtered solution in PBS, pH 7.4. Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Gene ID</b>	71740
<b>Other Names</b>	Nectin-4, Ig superfamily receptor LNIR, Nectin cell adhesion molecule 4, Poliovirus receptor-related protein 4, Nectin4 {ECO:0000250 UniProtKB:Q96NY8}, Lnir, Prr4, Pvr14
<b>Target Background</b>	Nectin-4 is a tumor-associated antigen. It is probably involved in cell adhesion through trans-homophilic and -heterophilic interactions. Nectin-4 is overexpressed in urothelial carcinoma and several other malignancies. It is a promising target for antibody-drug conjugates (ADCs).

## Protein Information

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<b>Name</b>	Nectin4 {ECO:0000250 UniProtKB:Q96NY8}
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<b>Synonyms</b>	Lnir, Prr4, Pvr14
<b>Function</b>	Seems to be involved in cell adhesion through trans- homophilic and -heterophilic interactions, the latter including specifically interactions with NECTIN1. Plays a role in the senescence- associated cell size enlargement via SFK/PI3K/Rac1 and thus promotes senescent cell survival. Also participates in the innate immune response by acting as a ligand for the receptor TIGIT to inhibit NK- cell activity.
<b>Cellular Location</b>	Cell membrane {ECO:0000250 UniProtKB:Q96NY8}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:Q96NY8} Cell junction, adherens junction {ECO:0000250 UniProtKB:Q96NY8} Note=Colocalizes with AFDN at cadherin-based adherens junctions {ECO:0000250 UniProtKB:Q96NY8}
<b>Tissue Location</b>	Expressed in brain, lung, testis and embryo.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.