

## ARG82505 Human CNTN4 / Contactin 4 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name                        | Package              | Temp  |
|--------------|---------------------------------------|----------------------|---|
| ARG82505-001 | Antibody-coated microplate            | 8 X 12 strips        | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82505-002 | Standard                              | 2 X 10 ng/vial       | 4°C   |
| ARG82505-003 | Standard/Sample diluent               | 30 ml (Ready to use) | 4°C   |
| ARG82505-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl)      | 4°C   |
| ARG82505-005 | Antibody diluent buffer               | 12 ml (Ready to use) | 4°C   |
| ARG82505-006 | HRP-Streptavidin concentrate (100X)   | 1 vial (100 µl)      | 4°C   |
| ARG82505-007 | HRP-Streptavidin diluent buffer       | 12 ml (Ready to use) | 4°C   |
| ARG82505-008 | 25X Wash buffer                       | 20 ml                | 4°C   |
| ARG82505-009 | TMB substrate                         | 10 ml (Ready to use) | 4°C (Protect from light)  |
| ARG82505-010 | STOP solution                         | 10 ml (Ready to use) | 4°C   |
| ARG82505-011 | Plate sealer                          | 4 strips             | Room temperature  |

### Summary

|                     |  |
|---------------------|--|
| Product Description | ARG82505 Human CNTN4 / Contactin 4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CNTN4 / Contactin 4 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants. |
| Tested Reactivity   | Hu   |
| Tested Application  | ELISA  |
| Target Name         | CNTN4 / Contactin 4  |
| Conjugation         | HRP  |
| Conjugation Note    | Substrate: TMB and read at 450 nm.   |
| Sensitivity         | 156 pg/ml  |
| Sample Type         | Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.  |
| Standard Range      | 312 - 20000 pg/ml  |
| Sample Volume       | 100 µl   |
| Precision           | Intra-Assay CV: 4.7%<br>Inter-Assay CV: 6.5%   |

## Application Instructions

Assay Time ~ 5 hours

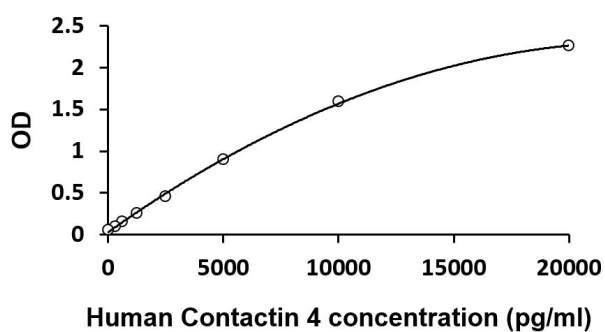
## Properties

|                     |  |
|---------------------|--|
| Form                | 96 well  |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components. |
| Note                | For laboratory research only, not for drug, diagnostic or other use.   |

## Bioinformation

|                       |  |
|-----------------------|--|
| Gene Symbol           | CNTN4  |
| Gene Full Name        | contactin 4  |
| Background            | This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2011] |
| Function              | Contactins mediate cell surface interactions during nervous system development. Has some neurite outgrowth-promoting activity. May be involved in synaptogenesis. [UniProt]  |
| Highlight             | Related products:<br><a href="#">Contactin antibodies</a> ; <a href="#">Contactin ELISA Kits</a> ;<br>New ELISA data calculation tool:<br><a href="#">Simplify the ELISA analysis by GainData</a>  |
| Cellular Localization | Cell membrane; Lipid-anchor, GPI-anchor. Secreted. [UniProt]   |

## Images



ARG82505 Human CNTN4 / Contactin 4 ELISA Kit standard curve image

ARG82505 Human CNTN4 / Contactin 4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.