

## 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% Inter-Assay CV: 6.5%

## Alternate Names

Brain-derived immunoglobulin superfamily protein 2; AXCAM; BIG-2; Contactin-4

## 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

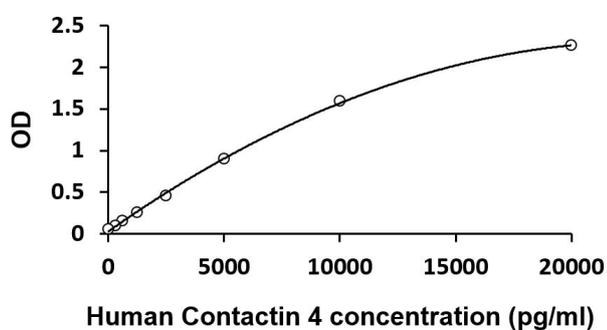
Background This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a 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:  
[Contactin antibodies](#); [Contactin ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

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.