

## ARG83276 Human Calsyntenin 1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG83276 Human Calsyntenin 1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Calsyntenin 1 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Calsyntenin 1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 6.7% Inter-Assay CV: 5.5%
Alternate Names	CLSTN1; Calsyntenin 1; KIAA0911; CDHR12; CSTN1; Alzheimer-Related Cadherin-Like Protein; Cadherin-Related Family Member 12 ; Non-Classical Cadherin XB31alpha; Alcadin-Alpha; Calsyntenin-1; ALC-ALPHA; XB31alpha; Alcalpha1; Alcalpha2; Alc-Alpha; PIK3CD; CST-1; CS1

### Application Instructions

Assay Time	~ 5 hours
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### 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

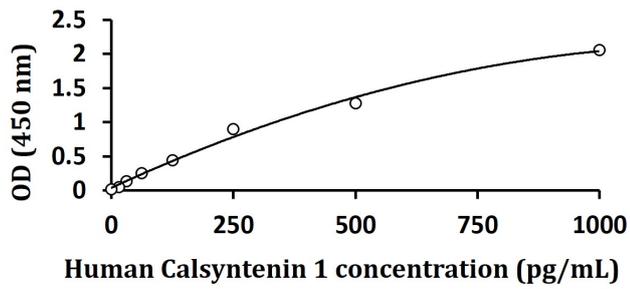
Gene Symbol	CLSTN1
Gene Full Name	Calsyntenin 1
Background	This gene is a member of the calsyntenin family, a subset of the cadherin superfamily. The encoded transmembrane protein, also known as alcadin-alpha, is thought to bind to kinesin-1 motors to mediate the axonal anterograde transport of certain types of vesicle. Amyloid precursor protein (APP) is trafficked via these vesicles and so this protein is being investigated to see how it might contribute to the mechanisms underlying Alzheimer's disease. Alternative splicing results in multiple transcript

variants.

Function	Promotes synapse development by acting as a cell adhesion molecule at the postsynaptic membrane, which associates with neurexin-alpha at the presynaptic membrane.
PTM	Glycoprotein
Cellular Localization	Cell membrane, Cell projection, Endoplasmic reticulum, Golgi apparatus, Membrane, Nucleus, Postsynaptic cell membrane, Synapse

## Images

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ARG83276 Human Calsyntenin 1 ELISA Kit standard curve image

ARG83276 Human Calsyntenin 1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.