

ARG82430 Human NENF / Neudesin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82430-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82430-002	Standard	2 X 10 ng/vial	4°C
ARG82430-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82430-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82430-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82430-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82430-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82430-008	25X Wash buffer	20 ml	4°C
ARG82430-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82430-010	STOP solution	10 ml (Ready to use)	4°C
ARG82430-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82430 Human NENF / Neudesin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human NENF / Neudesin in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	NENF / Neudesin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.8 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.5% Inter-Assay CV: 5.7%

Alternate Names	CIR2; Protein GIG47; SPUF protein; Cell immortalization-related protein 2; SPUF; Neuron-derived neurotrophic factor; SCIRP10; Neudesin; Secreted protein of unknown function
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Application Instructions

Assay Time	~ 5 hours
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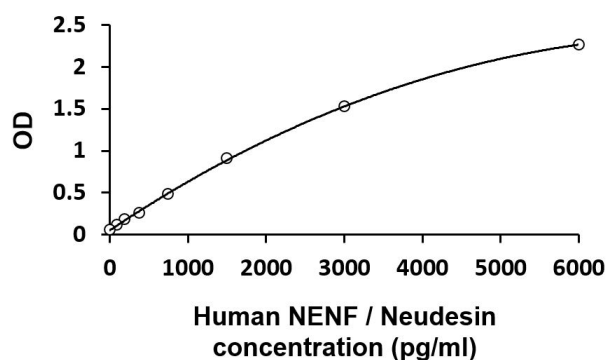
Properties

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	NENF
Gene Full Name	neudesin neurotrophic factor
Background	This gene encodes a neurotrophic factor that may play a role in neuron differentiation and development. A pseudogene of this gene is found on chromosome 12. Alternate splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jan 2009]
Function	Acts as a neurotrophic factor in postnatal mature neurons enhancing neuronal survival. Promotes cell proliferation and neurogenesis in undifferentiated neural pro-genitor cells at the embryonic stage and inhibits differentiation of astrocyte. Its neurotrophic activity is exerted via MAPK1/ERK2, MAPK3/ERK1 and AKT1/AKT pathways. Neurotrophic activity is enhanced by binding to heme. Acts also as an anorexigenic neurotrophic factor that contributes to energy balance (By similarity). Plays a role in the human tumorigenesis. [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted, extracellular space. [UniProt]

Images



ARG82430 Human NENF / Neudesin ELISA Kit standard curve image

ARG82430 Human NENF / Neudesin ELISA Kit results of a typical standard run with optical density reading at 450 nm.