

ARG81594 Human Persephin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81594-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81594-002	Standard	2 X 10 ng/vial	4°C
ARG81594-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81594-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81594-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81594-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81594-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81594-008	25X Wash buffer	20 ml	4°C
ARG81594-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81594-010	STOP solution	10 ml (Ready to use)	4°C
ARG81594-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81594 Human Persephin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Persephin in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	Persephin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.85 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.1% Inter-Assay CV: 6.7%
Alternate Names	Persephin; PSP

Application Instructions

Assay Time	~ 5 hours
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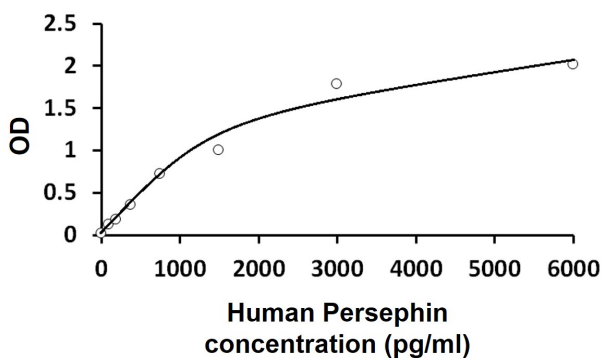
Properties

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	PSPN
Gene Full Name	persephin
Background	The protein encoded by this gene is a neurotrophic factor, belonging to the GDNF family. Neurotrophic factors are important for the proper development and maintenance of the nervous system. These factors promote neuronal survival and can prevent the neuronal degeneration associated with injury, toxin exposure, or neurodegenerative disease. The encoded protein has amino acid similarity to its other family members, glial cell line-derived neurotrophic factor and neurturin. This gene product promotes the survival of ventral midbrain dopaminergic neurons in culture and prevents their degeneration after 6-hydroxydopamine treatment in vivo. [provided by RefSeq, Jul 2008]
Function	Exhibits neurotrophic activity on mesencephalic dopaminergic and motor neurons. [UniProt]
Highlight	Related products: Persephin antibodies ; Persephin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81594 Human Persephin ELISA Kit standard curve image

ARG81594 Human Persephin ELISA Kit results of a typical standard run with optical density reading at 450 nm.