

[Go to Product page](#)

Datasheet for ABIN5692218

CDNF ELISA Kit

Overview

Quantity:	96 tests
Target:	CDNF
Binding Specificity:	AA 25-187
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CDNF. 96wells/kit, with removable strips.
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli, Immunogen sequence: Q25-L187
Sensitivity:	< 10 pg/mL
Components:	96-well plate precoated with antibody lyophilized recombinant standard

Product Details

biotinylated antibody (dilution 1:100)
Avidin-Biotin-Peroxidase Complex(ABC)(dilution 1:100)
Sample diluent buffer
Antibody diluent buffer
ABC diluent buffer
TMB color developing agent
TMB stop solution
Adhesive cover

Target Details

Target:	CDNF
Alternative Name:	CDNF (CDNF Products)
Background:	<p>Synonyms: Cerebral dopamine neurotrophic factor, ARMET-like protein 1, Conserved dopamine neurotrophic factor, CDNF, ARMETL1</p> <p>Tissue Specificity: Widely expressed in neuronal and non-neuronal tissues. In the brain, highest levels in the optic nerve and corpus callosum.</p> <p>Background: Cerebral dopamine neurotrophic factor also known as ARMET-like protein 1 or is a protein that in humans that is encoded by the CDNF gene. CDNF and MANF are secreted proteins with 8 conserved cysteine residues, which predict a unique protein fold and define an evolutionarily conserved protein family. The human CDNF mRNA encodes a 187-amino acid protein with a predicted signal peptide and apparently no prosequence. The predicted secondary structure, like that of MANF, is dominated by alpha-helices. Human CDNF shares 59 % amino acid identity with human MANF, and 49 % and 46 % identity with D. melanogaster and C. elegans Manf proteins, respectively. RT-PCR of mouse brain detected Cdnf transcripts in embryonic and postnatal stages, and in adult brain regions, including the striatum. In the midbrain, Cdnf mRNA was expressed from embryonic stages to the adult. High levels of Cdnf mRNA were observed in adult mouse heart, skeletal muscle, and testis. In agreement with the results from mouse, wide expression of CDNF transcripts was detected in human brain and nonneuronal tissues. Interestingly, levels of CDNF transcripts were relatively high in the corpus callosum and optic nerve, which are devoid of neuronal cell bodies and contain mostly axonal projections and oligodendrocytes. At postnatal stage P10 of the mouse brain, Cdnf staining was most intense in the hippocampus and thalamus. Cdnf signal was also detected in striatum and substantia nigra.</p> <p>Cellular Localisation: Secreted.</p>

Target Details

UniProt: [Q49AH0](#)

Application Details

Assay Time: 0.5 h

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)

Expiry Date: 12 months