

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### D4DR (L396) Peptide

Cat No.: BS3160P

#### Background

This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. DRD4 expression has been reported in various regions of the brain as well as in adrenal gland, artery, eye, heart, kidney, placenta, spinal cord, testis, and vas deferens.

#### Swiss-Prot

P21917

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS3160 D4DR (L396) pAb.

#### Purification & Purity

Synthetic peptide D4DR (L396). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.