

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Nkx-2.8 (P37) Peptide

Cat No.: BS9251P

#### Background

Members of the NK-2 family of homeodomain proteins, which include Nkx-2.2, Nkx-2.5, Nkx-2.6 and Nkx-2.8, are key regulators of growth and development in several tissues, including brain, heart and pancreas. Nkx-2.2 is responsible for directing ventral neuronal patterning in response to graded Shh signaling. Nkx-2.5, also designated cardiac specific homeobox protein (Csx), is a homolog of the Drosophila tinman protein and is essential for normal cardiovascular development. Nkx-2.6, also a homolog of the Drosophila tinman protein, is expressed in the caudal pharyngeal pouches, the caudal heart progenitors, the sinus venosus, the outflow tract of the heart and in a short segment of the gut between stages E8.5 and E10.5 of embryogenesis. Nkx-2.8, also designated NK-2 homolog H, NKX2H or Nkx-2.9, is a nuclear protein that contains one homeobox DNA-binding domain, indicating a possible role in development.

#### Swiss-Prot

O15522

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS9251 Nkx-2.8 (P37) pAb.

#### Purification & Purity

Synthetic peptide Nkx-2.8 (P37). (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.