



Human NKX2-5 blocking peptide (CDBP2054)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-CSX1/NKX2-5 antibody |
| Antigen Description | This gene encodes a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

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|------------------------|---|
| Gene Name | NKX2-5 NK2 homeobox 5 [Homo sapiens (human)] |
| Official Symbol | NKX2-5 |
| Synonyms | NKX2-5; NK2 homeobox 5; CSX; CSX1; VSD3; CHNG5; HLHS2; NKX2E; NKX2.5; NKX4-1; homeobox protein Nkx-2.5; tinman paralog; homeobox protein CSX; cardiac-specific homeobox |

1; homeobox protein NK-2 homolog E; NK2 transcription factor related, locus 5;

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| Entrez Gene ID | 1482 |
| mRNA Refseq | NM_001166175.1 |
| Protein Refseq | NP_001159647.1 |
| UniProt ID | P52952 |
| Chromosome Location | 5q34 |
| Pathway | Cardiac Progenitor Differentiation, organism-specific biosystem; Heart Development, organism-specific biosystem; Regulation of nuclear SMAD2/3 signaling, organism-specific biosystem; SRF and miRs in Smooth Muscle Differentiation and Proliferation, organism-specific biosystem; |
| Function | DNA binding; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; RNA polymerase II transcription cofactor activity; RNA polymerase II transcription factor binding transcription factor activity involved in positiv |