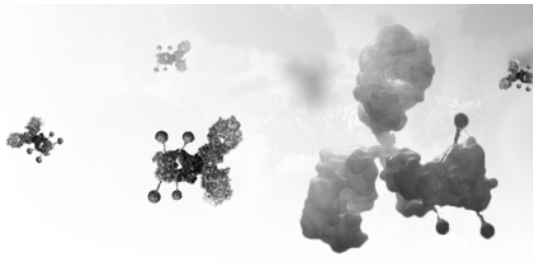

Human NKX2-5 peptide (DAG-P0974)

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

PRODUCT INFORMATION

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]
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

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;
Entrez Gene ID	1482
mRNA Refseq	NM_001166175.1
Protein Refseq	NP_001159647.1

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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

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