

Product datasheet for PH306550

Nkx2.5 (NKX2-5) (NM_004387) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NKX2 MS Standard C13 and N15-labeled recombinant protein (NP_004378)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206550
Predicted MW:	34.9 kDa
Protein Sequence:	>RC206550 protein sequence Red=Cloning site Green=Tags(s) MFPSPALTPFPFSVKDILNLEQQQRSLAAGEL SARLEATLAPSSCMLAAFKPEAYAGPEAAAPGLPELR AELGRAPSPAKCASAPFAAFYPRAYSDPDPKDPRAEKELCALQKAVELEKTEADNAERPRARRRRK PRVLFSSQAQVYELERRFKQQRYSAPERDQLASVLKLTSTQVKIWFQNRRYKCKRQRQDQTELELVGLPPP PPPPARRIAVPVLVRDGGKCLGDSAPYAPAYGVGLNPYGYNAYPAYPGYGAACSPGYSCTAAYPAGPSP AQPATAAANNFVNFVGVGDLNAVQSPGIPQSNVSTLHGIRAW TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004378</u>
RefSeq Size:	1669
RefSeq ORF:	972
Synonyms:	CHNG5; CSX; CSX1; HLHS2; NKX2.5; NKX2E; NKX4-1; VSD3
Locus ID:	1482



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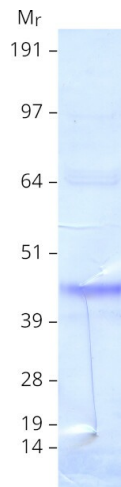
UniProt ID: [P52952](#), [A0A0S2Z383](#)

Cytogenetics: 5q35.1

Summary: 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]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified NKX2-5 protein (Cat# [TP306550]). The protein was produced from HEK293T cells transfected with NKX2-5 cDNA clone (Cat# [RC206550]) using MegaTran 2.0 (Cat# [TT210002]).