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- Mindermengenzuschlag
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- Expressversand

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Datasheet

NKX2-5 (Human) Recombinant Protein (P01)

NKX4-1

Catalog Number: H00001482-P01**Regulation Status:** For research use only (RUO)**Product Description:** Human NKX2-5 full-length ORF (AAH25711, 1 a.a. - 324 a.a.) recombinant protein with GST-tag at N-terminal.**Sequence:**

MFPSPALTPFPFSVKDILNLEQQQRSLAAAGELSARLE
ATLAPSSCMLAAAFKPEAYAGPEAAAPGLPELRAELGR
APSPAKCASAFPAAPAFYPRAYSDPDPKDPRAEKKE
LCALQKAVELEKTEADNAERPRARRRRKPRVLFSSQAQ
VYELERRFKQQRYL SAPERDQLASVLKLTSTQVKIWF
QNRRYKCKRQRQDQTLLELVGLPPPPPPPARRIAVPVL
VRDGKPCLGDSAPYAPAYGVGLNPNYGYNAYPAYPGY
GGAACSPGYSCTAAYPAGPSPAQPATAAANNFVNF
VGVDLNAVQSPGIPQSNQSGVSTLHGIRAW

Host: Wheat Germ (in vitro)**Theoretical MW (kDa):** 61.38**Applications:** AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)**Protocols:** See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols**Preparation Method:** [in vitro wheat germ expression system](#)**Purification:** Glutathione Sepharose 4 Fast Flow**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.**Entrez GeneID:** 1482**Gene Symbol:** NKX2-5**Gene Alias:** CHNG5, CSX, CSX1, NKX2.5, NKX2E,

Gene Summary: Homeobox-containing genes play critical roles in regulating tissue-specific gene expression essential for tissue differentiation, as well as determining the temporal and spatial patterns of development (Shiojima et al., 1995 [PubMed 7665173]). It has been demonstrated that a Drosophila homeobox-containing gene called 'tinman' is expressed in the developing dorsal vessel and in the equivalent of the vertebrate heart. Mutations in tinman result in loss of heart formation in the embryo, suggesting that tinman is essential for Drosophila heart formation. Furthermore, abundant expression of Csx, the presumptive mouse homolog of tinman, is observed only in the heart from the time of cardiac differentiation. CSX, the human homolog of murine Csx, has a homeodomain sequence identical to that of Csx and is expressed only in the heart, again suggesting that CSX plays an important role in human heart formation.[supplied by OMIM]