

# Recombinant Mouse NKX2-2 Protein (1-273 aa), His-SUMO-tagged

**Cat. No.** NKX2-2-1766M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse NKX2-2 Protein (1-273 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-273 aa
<b>Description</b>	Acts as a transcriptional activator. Required for the maintenance of NEUROD1 expression in the hormone-producing endocrine cells of the pancreas. May be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Associates with chromatin at the NEUROD1 promoter region. Binds to a subset of consensus elements within the NEUROD1 promoter.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	46.1 kDa
<b>AA Sequence</b>	MSLTNTKTGFVSKDILDLPDTNDEDGSVAEGPEEESEGPEPAKRAGPLGQGALDAV QSLPLKSPFYDSSDNPYTRWLASTEGLQYSLHGLAASAPPQDSSSKSPEPSADESP DNDKETQGGGGDAGKKRKRRLVLFKAQTYELERRFRQQRYLSAPEREHLASLIRLT

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PTQVKIWFQNHRYKMKRARAIEKGMETPLPSPRRVAVPVLVRDGGKPCCHALKQAQDL  
AAATFQAGIPFSAYSASQSLQHMQYNAQYSSASTPQYPTAHPLVQAQQWTW

**Purity** > 90% as determined by SDS-PAGE.

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

**Storage** The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration** A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Gene Name** [Nkx2-2 NK2 transcription factor related, locus 2 \(Drosophila\) \[ Mus musculus \]](#)

**Official Symbol** [NKX2-2](#)

**Synonyms** NKX2-2; homeobox protein Nkx2-2; Nkx2.2; tinman; Nkx-2.2;

**Gene ID** [18088](#)

**mRNA Refseq** [NM\\_001077632](#)

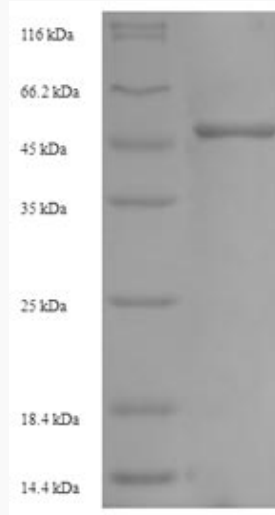
**Protein Refseq** [NP\\_001071100](#)

**UniProt ID** [P42586](#)


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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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