

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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	E.coli
ProteinLength	1-273 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	46.1 kDa
AA Sequence	MSLTNTKTGFSVKDILDLPDTNDEDGSVAEGPEEESEGPEPAKRAGPLGQGALDAV QSLPLKSPFYDSSDNPYTRWLASTEGLQYSLHGLAASAPPQDSSSKSPEPSADESP DNDKETQGGGGDAGKKRKRRVLFKAQTYELERRFRQQRYLSAPEREHLASLIRLT

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	PTQVKIWFQNHRYKMKRARAEGMEVTPLPSRRVAVPVLVRDGPCHALKAQDL AAATFQAGIPFSAYSAQSLQHMQYNAQYSSASTPQYPTAHPLVQAQQWTW
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.

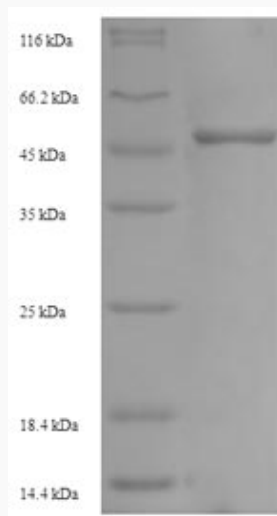
GENE INFORMATION

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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