

Recombinant Mouse NKX3-2 Protein (1-333 aa), His-SUMO-tagged

Cat. No. NKX3-2-2159M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse NKX3-2 Protein (1-333 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Full Length.
Species	Mouse
Source	E.coli
ProteinLength	1-333 aa
Description	Transcriptional repressor that acts as a negative regulator of chondrocyte maturation. PLays a role in distal stomach development; required for proper antral-pyloric morphogenesis and development of antral-type epithelium. In concert with GSC, defines the structural components of the middle ear; required for tympanic ring and gonium development and in the regulation of the width of the malleus.
Form	Tris-based buffer,50% glycerol
Molecular Mass	53.7 kDa
AA Sequence	MAVRGSGTLTPFSIQAILNKKEERGGLATPEGRPAPGGTEVAVTAAPAVCCWRIFGE TEAGALGGAEDSLLASPARTRTAVGQSAESPGGWDSALSSEENEGRRRCADVPG ASGTGRARVTLGLDQPGCELHAAKDLEEEAPVRSDSEMSASVSGDHSRPGEDDSV SPGGARVPGLRGAAGSGASGGQAGGVVEEEEPAAKPKRKRSRAAFSHAQVFELE

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	RRFNHQRYLSGPERADLAASLKLTTETQVKIWFQNRRYKTKRRQMAADLLASAPAAK KVAVKVLVRDDQRQYLPGEVLRPPSLLPLQPSYYYPYYCLPGWALSTCAAAAGTQ
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.

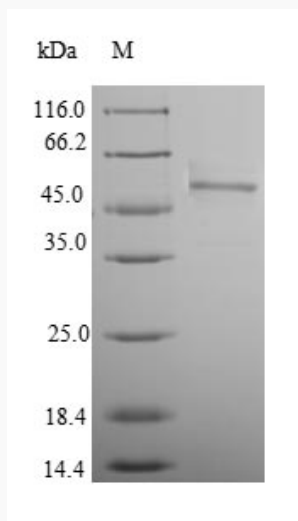
GENE INFORMATION

Gene Name	Nkx3-2 NK3 homeobox 2 [<i>Mus musculus</i>]
Official Symbol	NKX3-2
Synonyms	NKX3-2; NK3 homeobox 2; homeobox protein Nkx-3.2; Bapx1; NKX3.2; Nkx-3.2;
Gene ID	12020
mRNA Refseq	NM_007524
Protein Refseq	NP_031550
UniProt ID	P97503

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

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