

Recombinant Human NKX2-8 Protein, GST-tagged

Cat. No. NKX2-8-5901H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NKX2-8 full-length ORF (NP_055175.2, 1 a.a. - 239 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
ProteinLength	1-239 a.a.
Description	The protein encoded by this gene is a homeobox-containing developmental regulator associated with liver development. The encoded protein binds to the alpha-fetoprotein (AFP) gene promoter and increases the expression of AFP. This gene is overexpressed in some lung cancers and is linked to poor patient survival, possibly due to its resistance to cisplatin. This gene is aberrantly methylated in pancreatic cancer, deleted in squamous cell lung carcinomas, and acts as a tumor suppressor in esophageal cancer. Mutations in this gene may also be a cause of neural tube defects. [provided by RefSeq, Dec 2015]
Molecular Mass	52.3 kDa
AA Sequence	MATSGRLSFTVRSLLDLPEQDAQHLPRREPEPRAPQPDPCAAWLDSERGHYPSSD ESSLETSPPDSSQRPSARPASPGSDAEKRKKRRVLFKAQTLELERRFRQQRYLSA PEREQLASLLRLTPTQVKIWFQNHRYKLKRARAPGAAESPDLAASAELHAAPGLLR VVVPVLVRDGQPCGGGGGGEVGTAAAEKCGAPPAACPLPGYPAFGPGSALGLF PAYQHLASPALVSWNW

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

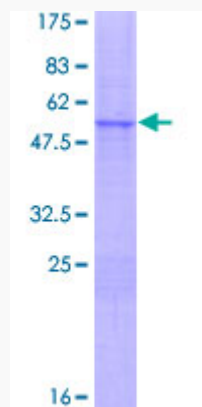
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NKX2-8 NK2 homeobox 8 [Homo sapiens]
Official Symbol	NKX2-8
Synonyms	NKX2-8; NK2 homeobox 8; NK 2 homolog H (Drosophila) , NK2 transcription factor related, locus 8 (Drosophila) , NKX2H; homeobox protein Nkx-2.8; Nkx2 9; NKX2.8; NK-2 homolog 8; NK-2 homolog H; homeobox protein NK-2 homolog H; NK2 transcription factor related, locus 8; NKX2H; Nkx2-9;
Gene ID	26257
mRNA Refseq	NM_014360
Protein Refseq	NP_055175
MIM	603245
UniProt ID	O15522

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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