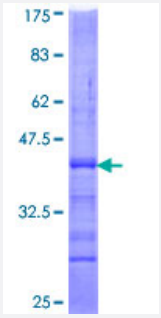
NKX2-2 (Human) Recombinant Protein (Q01)

Catalog # H00004821-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NKX2-2 partial ORF (NP_002500, 165 a.a. - 271 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IRLTPTQVKIWFQNHRYKMKRARAEKGMEVTPLPSPRRVAVPVLVRDGKPCHALKAQDLAAATF QAGIPFSAYSAQSLQHMQYNAQYSSASTPQYPTAHPLVQAQQW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NKX2-2

Entrez GeneID	4821
GeneBank Accession#	NM_002509
Protein Accession#	NP_002500
Gene Name	NKX2-2
Gene Alias	NKX2.2, NKX2B
Gene Description	NK2 homeobox 2
Omim ID	604612
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene contains a homeobox domain and may be involved in the morp hogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, an d these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor. [provided by RefSeq
Other Designations	NK-2 homolog B|NK2 transcription factor related, locus 2|NK2 transcription factor-like protein B|O TTHUMP00000030405|homeobox protein NK-2 homolog B

Pathway

- Maturity onset diabetes of the young

Disease

- Diabetes Mellitus