

Recombinant Human NK2 Homeobox 1

Cat. No. NKX2-1-226H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TTF-1 protein expressed in <i>E. coli</i> encodes 138-286 amino acids and has a molecular mass of 41 kDa.
Species	Human
Source	E.coli
Description	TTF-1 (Thyroid transcription factor-1) is a member of the NKx2 family of homeodomain transcription factors. It is expressed in epithelial cells of the thyroid gland and the lung. Nuclei from liver, stomach, pancreas, small intestine, colon, kidney, breast, skin, testes, pituitary, prostate, and adrenal glands are unreactive. TTF-1 is detected in primary lung adenocarcinomas and small cell carcinomas and is absent in colon and breast carcinomas. Staining with TTF-1 antibody is useful for distinguishing between tumors of lung and non-lung origin.
Formulation	100µl purified human TTF-1 protein at 0.1mg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Application And Suggested Dilutions	•ELISA •Inhibition Assays •Western Blotting
Characterization	On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 41 kDa.
Activity	Not known.

 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

Storage & Stability

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.

GENE INFORMATION
Gene Name

NKX2-1 NK2 homeobox 1 [[Homo sapiens](#)]

Synonyms

NKX2-1; NK2 homeobox 1; BCH; BHC; NK-2; TEBP; TTF1; NKX2A; TITF1; TTF-1; NKX2.1; thyroid transcription factor 1; NK-2 homolog A; Homeobox protein NK-2 homolog A; Thyroid nuclear factor 1; Thyroid transcription factor 1; thyroid nuclear factor; benign chorea

Gene ID

[7080](#)

mRNA Refseq

[NM_001079668](#)

Protein Refseq

[NP_001073136](#)

MIM

[600635](#)

UniProt ID

[P43699](#)

**Chromosome
Location**

14q13

Function

RNA polymerase II transcription factor activity, enhancer binding; promoter binding; protein binding; specific RNA polymerase II transcription factor activity; transcription activator activity

 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