

## Product datasheet for **TP762371**

### TTF1 (NKX2-1) (NM\_003317) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human NK2 homeobox 1 (NKX2-1), transcript variant 2, Met1-Pro123, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Met1-Pro123) of TTF1
Tag:	N-His
Predicted MW:	12.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_003308</a>
Locus ID:	7080
UniProt ID:	<a href="#">P43699</a>
RefSeq Size:	2352
Cytogenetics:	14q13.3
RefSeq ORF:	1113
Synonyms:	BCH; BHC; NK-2; NKX2.1; NKX2A; NMTC1; T/EBP; TEBP; TITF1; TTF-1; TTF1



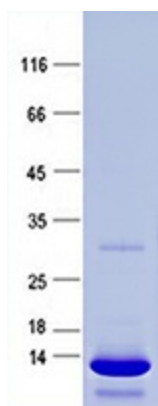
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**Summary:**

This gene encodes a protein initially identified as a thyroid-specific transcription factor. The encoded protein binds to the thyroglobulin promoter and regulates the expression of thyroid-specific genes but has also been shown to regulate the expression of genes involved in morphogenesis. Mutations and deletions in this gene are associated with benign hereditary chorea, choreoathetosis, congenital hypothyroidism, and neonatal respiratory distress, and may be associated with thyroid cancer. Multiple transcript variants encoding different isoforms have been found for this gene. This gene shares the symbol/alias 'TTF1' with another gene, transcription termination factor 1, which plays a role in ribosomal gene transcription. [provided by RefSeq, Feb 2014]

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

**Product images:**

Purified recombinant protein TTF1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.