

Recombinant Human ZNF384 protein, His & T7-tagged

Cat. No. ZNF384-1501H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human ZNF384 aa. (Ser307~Pro540 (Accession # Q8TF68)) fused with N-terminal His & T7 tag was produced in E. coli cells.

Species Human

Source E.coli

ProteinLength Ser307~Pro540

Description This gene encodes a C2H2-type zinc finger protein, which may function as a transcription factor. This gene also contains long CAG trinucleotide repeats that encode consecutive glutamine residues. The protein appears to bind and regulate the promoters of the extracellular matrix genes MMP1, MMP3, MMP7 and COL1A1. Studies in mouse suggest that nuclear matrix transcription factors (NP/NMP4) may be part of a general mechanical pathway that couples cell construction and function during extracellular matrix remodeling. Alternative splicing results in multiple transcript variants. Recurrent rearrangements of this gene with the Ewing's sarcoma gene, EWSR1 on chromosome 22, or with the TAF15 gene on chromosome 17, or with the TCF3 (E2A) gene on chromosome 19, have been observed in acute leukemia. A related pseudogene has been identified on chromosome 7.

Form Freeze-dried powder

Molecular Mass Predicted Molecular Mass: 29.8kDa.

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Endotoxin	<1.0EU per 1g (determined by the LAL method).
Purity	>95%
Characteristic	The isoelectric point is 9.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

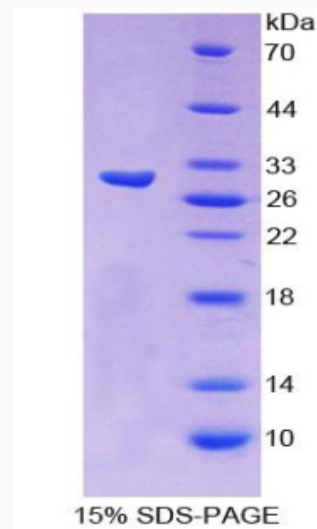
Gene Name	ZNF384 zinc finger protein 384 [Homo sapiens (human)]
Official Symbol	ZNF384
Synonyms	NP; CIZ; NMP4; CAGH1; ERDA2; TNRC1; CAGH1A; CAG repeat protein 1; Cas-interacting zinc finger protein; expanded repeat domain,; CAG/CTG 2; nuclear matrix transcription factor 4; trinucleotide repeat-containing gene 1 protein; zinc finger protein 384

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Gene ID	171017
mRNA Refseq	NM_001039920.2
Protein Refseq	NP_001035009.1
UniProt ID	Q8TF68

SDS-PAGE

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