

## Recombinant Human LEF1 protein, His-tagged

Cat. No. LEF1-166H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human LEF1 fused with His tag at N-terminal was expressed in E. coli.

**Species** Human

**Source** E.coli

**Description** This gene encodes a transcription factor belonging to a family of proteins that share homology with the high mobility group protein-1. The protein encoded by this gene can bind to a functionally important site in the T-cell receptor-alpha enhancer, thereby conferring maximal enhancer activity. This transcription factor is involved in the Wnt signaling pathway, and it may function in hair cell differentiation and follicle morphogenesis. Mutations in this gene have been found in somatic sebaceous tumors. This gene has also been linked to other cancers, including androgen-independent prostate cancer. Alternative splicing results in multiple transcript variants.

**Form** 25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.

**Molecular Mass** 44 kDa

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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**Concentration** >50 ug/mL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** LEF1 lymphoid enhancer-binding factor 1 [ Homo sapiens ]

**Official Symbol** LEF1

**Synonyms** LEF1; lymphoid enhancer-binding factor 1; TCF1ALPHA; TCF7L3; TCF10; TCF1-alpha; T cell-specific transcription factor 1-alpha; LEF-1; FLJ46390; DKFZp586H0919;

**Gene ID** 51176

**mRNA Refseq** NM\_016269

**Protein Refseq** NP\_057353

**UniProt ID** Q9UJU2

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