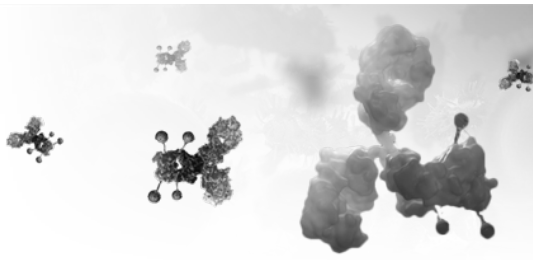

Human LEF1 peptide (DAG-P1608)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Oct 2009]
Specificity	Detected in thymus. Not detected in normal colon, but highly expressed in colon cancer biopsies and colon cancer cell lines. Expressed in several pancreatic tumors and weakly expressed in normal pancreatic tissue. Isoforms 1 and 5 are detected in several
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the TCF/LEF family.Contains 1 HMG box DNA-binding domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	LEF1 lymphoid enhancer-binding factor 1 [Homo sapiens (human)]
Official Symbol	LEF1

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Synonyms	LEF1; lymphoid enhancer-binding factor 1; LEF-1; TCF10; TCF7L3; TCF1ALPHA; TCF1-alpha; T cell-specific transcription factor 1-alpha;
Entrez Gene ID	51176
mRNA Refseq	NM_001130713.2
Protein Refseq	NP_001124185.1
UniProt ID	Q659G9
Chromosome Location	4q23-q25
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Arrhythmogenic right ventricular cardiomyopathy, organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, c
Function	C2H2 zinc finger domain binding; DNA binding; DNA binding, bending; RNA polymerase II distal enhancer sequence-specific DNA binding transcription factor activity; RNA polymerase II regulatory region sequence-specific DNA binding; RNA polymerase II transcr

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221