

Recombinant Human LEF1 protein ab132092

1 Image

Description

Product name	Recombinant Human LEF1 protein
Expression system	Wheat germ
Accession	<u>Q9UJU2</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MPQLSGGGGGGGDPELCATDEMIPFKDEGDPQKEKIFA EISHPEEEGDL ADIKSSLVNESEIIPASNGHEVARQAQTSQEPYHDKAREH PDDGKHPDGG LYNKGPSYSSSYSGYIMPMNMNDPYMSNGSLSPPIRTSN KVPVVQPSHA VHPLTPLITYSDEHFSPGSHPSHIPSDVNSKQGMSRHPPA PDIFTFYPLS PGGVGQITPPLGWQGQPVYPITGGFRQPYPSSLSVDTSM SRFSHHMIPGP PGPHTTGIPHPAIVTPQVKQEHPTHSDLMHVKPQHEQRK EQEPKRPHIK KPLNAFMLYMKEMRANVVAECTLKESAAINQILGRRWHAL SREEQAKYYE LARKERQLHMQLYPGWSARDNYGKKKKRKREKLQESAS GTGPRMTAAAYI
Predicted molecular weight	70 kDa including tags
Amino acids	1 to 399
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab132092** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
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	SDS-PAGE
	ELISA
Form	Liquid

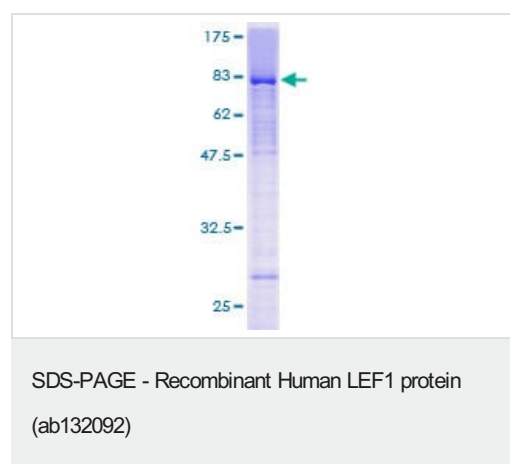
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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General Info

Function	Participates in the Wnt signaling pathway. Activates transcription of target genes in the presence of CTNNB1 and EP300. May play a role in hair cell differentiation and follicle morphogenesis. TLE1, TLE2, TLE3 and TLE4 repress transactivation mediated by LEF1 and CTNNB1. Regulates T-cell receptor alpha enhancer function. Binds DNA in a sequence-specific manner. PIAG antagonizes both Wnt-dependent and Wnt-independent activation by LEF1 (By similarity). Isoform 3 lacks the CTNNB1 interaction domain and may be an antagonist for Wnt signaling. Isoform 5 transcriptionally activates the fibronectin promoter, binds to and represses transcription from the E-cadherin promoter in a CTNNB1-independent manner, and is involved in reducing cellular aggregation and increasing cell migration of pancreatic cancer cells. Isoform 1 transcriptionally activates MYC and CCND1 expression and enhances proliferation of pancreatic tumor cells.
Tissue 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 pancreatic cell lines.
Sequence similarities	Belongs to the TCF/LEF family. Contains 1 HMG box DNA-binding domain.
Domain	Proline-rich and acidic regions are implicated in the activation functions of RNA polymerase II transcription factors.
Cellular localization	Nucleus. Found in nuclear bodies upon PIASG binding.

Images



12.5% SDS-PAGE analysis of ab132092 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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