

## Recombinant Human EDIL3, His-tagged

Cat. No. EDIL3-7736H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human EGFLike Repeat and Discoidin ILike DomainContaining Protein 3/EDIL3 is produced with our mammalian cells expression system in HEK293. The target protein is expressed with sequence (Met1Glu480) of Human EDIL3 fused with a polyhistidine tag at the Cterminus.

**Species** Human

**Source** HEK293

**Description** EGFLike Repeat and Discoidin ILike DomainContaining Protein 3 (EDIL3) is a 52 kDa extracellular matrix protein that is expressed by endothelial tissues during embryonic vascular development. EDIL3 becomes quiescent at the time of birth, and is no longer expressed in normal adult tissues. EDIL3 has been found to be reexpressed in a number of human tumors as well as in ischemic muscles and ischemic brain tissue, which may play an important role in adult angiogenesis. EDIL3 promotes adherence and migration of endothelial cells, and acts as an endothelial cell survival agent through upregulation of Bcl2 expression. EDIL3 has also been shown to be an endogenous inhibitor of inflammatory cell recruitment by interfering with the integrin LFA1dependent leukocyteendothelial adhesion. Human EDIL3 is synthesized as a precursor with a 16 amino acid signal sequence and a 464 amino acid mature chain.

**Form** Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4

**AA Sequence** VPQFGKGDIC DPNPCENGGI CLPGLADGSF SCECPDGFTD PNCSSVVEVA

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SDEEPTSAG PCTPNPCHN GGTCEISEAY RGDTFIGYVC KCPRGFNGIH  
 CQHINECEV EPCKNGGICT D LVANYSCE CPGEFMGRNC QYKCSGPLGI  
 EGGIISNQQI TASSTHRALF GLQKWYPYYA RL NKKGLIN AWTAENDRW  
 PWIQINLQRK MRVTGVITQG AKRIGSPEYI KSYKIAYSND GKT WAMYKV  
 KGTNEDMVFR

**Purity** Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

**Notes** For research use only.

**Storage** Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.

## GENE INFORMATION

**Gene Name** [EDIL3 EGF-like repeats and discoidin I-like domains 3 \[ Homo sapiens \]](#)

**Official Symbol** EDIL3

**Synonyms** EDIL3; EGF-like repeats and discoidin I-like domains 3; EGF-like repeat and discoidin I-like domain-containing protein 3; DEL1; integrin-binding protein DEL1; developmental endothelial locus-1; developmentally-regulated endothelial cell locus 1 protein; MGC26287;

**Gene ID** [10085](#)

**mRNA Refseq** [NM\\_005711](#)

**Protein Refseq** [NP\\_005702](#)

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<b>MIM</b>	606018
<b>UniProt ID</b>	O43854
<b>Chromosome Location</b>	5q14
<b>Pathway</b>	Integrins in angiogenesis, organism-specific biosystem;
<b>Function</b>	calcium ion binding; integrin binding;

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