

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
CQHNINECEV EPCKNGGICT D LVANYSCE CPGEFMGRNC QYKCSGPLGI
EGGIISNQI 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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MIM	606018
UniProt ID	O43854
Chromosome Location	5q14
Pathway	Integrins in angiogenesis, organism-specific biosystem;
Function	calcium ion binding; integrin binding;

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