

Recombinant Human EDIL3 (C-6His)

Catalog No: C601

Description	Recombinant Human EGF-Like Repeat And Discoidin I-Like Domain-Containing Protein 3 is produced by our Mammalian expression system and the target gene encoding Val17-Glu480 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	EGF-Like Repeats and Discoidin I-Like Domains 3; EDIL3
Accession No.	Q8N610
Predicted Molecular Weight	53.09kDa
AP Molecular Weight	60-65kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>

Background

EGF-Like Repeat and Discoidin I-Like Domain-Containing 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 re-expressed 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 Bcl-2 expression. EDIL3 has also been shown to be an endogenous inhibitor of inflammatory cell recruitment by interfering with the integrin LFA-1-dependent leukocyte-endothelial adhesion. Human EDIL3 is synthesized as a precursor with a 16 amino acid signal sequence and a 464 amino acid mature chain.

SDS-Page

