

Product datasheet for **RC402741**

Integrin Linked Kinase (ILK) (NM_004517) Human Mutant ORF Clone

Product data:

Product Type:	Mutant ORF Clones
Product Name:	Integrin Linked Kinase (ILK) (NM_004517) Human Mutant ORF Clone
Mutation Description:	A262V
Affected Codon#:	262
Affected NT#:	785
Nucleotide Mutation:	ILK Mutant (A262V), Myc-DDK-tagged ORF clone of Homo sapiens integrin-linked kinase (ILK), transcript variant 1 as transfection-ready DNA
Effect:	Crdiomyophy, diled
Symbol:	Integrin Linked Kinase
Synonyms:	HEL-S-28; ILK-1; ILK-2; P59; p59ILK
E. coli Selection:	Kanamycin (25 ug/mL)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
Tag:	Myc-DDK
ACCN:	NM_004517
ORF Size:	1356 bp
Restriction Sites:	Sgfl-Mlul
Restriction Sites:	Sgfl-Mlul



[View online »](#)

Cloning Scheme:

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:

This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq:

[NP_004508](#)

RefSeq Size:	1356 bp
RefSeq ORF:	1359 bp
Locus ID:	3611
Cytogenetics:	11p15.4
Domains:	pkinase, TyrKc, ANK, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Endometrial cancer, Focal adhesion, PPAR signaling pathway
MW:	49.7 kDa
Gene Summary:	<p>This gene encodes a protein with a kinase-like domain and four ankyrin-like repeats. The encoded protein associates at the cell membrane with the cytoplasmic domain of beta integrins, where it regulates integrin-mediated signal transduction. Activity of this protein is important in the epithelial to mesenchymal transition, and over-expression of this gene is implicated in tumor growth and metastasis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]</p>