

## Product datasheet for **RC212082L1V**

### Ankyrin G (ANK3) (NM\_001149) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ankyrin G (ANK3) (NM_001149) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Ankyrin G
Synonyms:	ANKYRIN-G; MRT37
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001149
ORF Size:	3003 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212082).
OTI Disclaimer:	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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001149.3</a> , <a href="#">NP_001140.2</a>
RefSeq Size:	7218 bp
RefSeq ORF:	3006 bp
Locus ID:	288
UniProt ID:	<a href="#">Q12955</a>
Cytogenetics:	10q21.2
Domains:	ZU5, ANK
Protein Families:	Druggable Genome



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MW: 111.1 kDa

**Gene Summary:** Ankyrins are a family of proteins that are believed to link the integral membrane proteins to the underlying spectrin-actin cytoskeleton and play key roles in activities such as cell motility, activation, proliferation, contact, and the maintenance of specialized membrane domains. Multiple isoforms of ankyrin with different affinities for various target proteins are expressed in a tissue-specific, developmentally regulated manner. Most ankyrins are typically composed of three structural domains: an amino-terminal domain containing multiple ankyrin repeats; a central region with a highly conserved spectrin binding domain; and a carboxy-terminal regulatory domain which is the least conserved and subject to variation. Ankyrin 3 is an immunologically distinct gene product from ankyrins 1 and 2, and was originally found at the axonal initial segment and nodes of Ranvier of neurons in the central and peripheral nervous systems. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Feb 2011]