

Product datasheet for **MR216075L4V**

Calcoco2 (NM_029755) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Calcoco2 (NM_029755) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Calcoco2
Synonyms:	2410154J16Rik; C77254; Ndp52; Ndp52l1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029755
ORF Size:	930 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR216075).
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. 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.
RefSeq:	NM_029755.3 , NP_084031.2
RefSeq Size:	1556 bp
RefSeq ORF:	933 bp
Locus ID:	76815
Cytogenetics:	11 59.4 cM



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Gene Summary:

Xenophagy-specific receptor required for autophagy-mediated intracellular bacteria degradation (By similarity). Acts as an effector protein of galectin-sensed membrane damage that restricts the proliferation of infecting pathogens upon entry into the cytosol by targeting LGALS8-associated bacteria for autophagy (By similarity). Initially orchestrates bacteria targeting to autophagosomes and subsequently ensures pathogen degradation by regulating pathogen-containing autophagosome maturation (By similarity). Bacteria targeting to autophagosomes relies on its interaction with MAP1LC3A, MAP1LC3B and/or GABARAPL2, whereas regulation of pathogen-containing autophagosome maturation requires the interaction with MAP3LC3C (By similarity). May play a role in ruffle formation and actin cytoskeleton organization and seems to negatively regulate constitutive secretion (By similarity).[UniProtKB/Swiss-Prot Function]