

## Product datasheet for **RC220408L2V**

### ITCH (NM\_031483) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ITCH (NM_031483) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ITCH
Synonyms:	ADMFD; AIF4; AIP4; NAPP1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_031483
ORF Size:	2586 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220408).
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_031483.3</a>
RefSeq Size:	6357 bp
RefSeq ORF:	2589 bp
Locus ID:	83737
UniProt ID:	<a href="#">Q96J02</a>
Cytogenetics:	20q11.22
Domains:	C2, HECT, WW
Protein Families:	Druggable Genome, Transcription Factors



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**Protein Pathways:** Endocytosis, Ubiquitin mediated proteolysis

**MW:** 98.5 kDa

**Gene Summary:** This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in this gene are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]