

Product datasheet for **RC215720L4V**

ZNF451 (NM_001031623) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ZNF451 (NM_001031623) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ZNF451
Synonyms:	COASTER; dj41711.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001031623
ORF Size:	3183 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215720).
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_001031623.1 , NP_001026794.1
RefSeq Size:	5060 bp
RefSeq ORF:	3186 bp
Locus ID:	26036
UniProt ID:	Q9Y4E5
Cytogenetics:	6p12.1
Protein Families:	Transcription Factors
MW:	121.3 kDa



[View online »](#)

Gene Summary:

E3 SUMO-protein ligase; has a preference for SUMO2 and SUMO3 and facilitates UBE2I/UBC9-mediated sumoylation of target proteins (PubMed:26524493, PubMed:26524494). Plays a role in protein SUMO2 modification in response to stress caused by DNA damage and by proteasome inhibitors (in vitro). Required for MCM4 sumoylation (By similarity). Has no activity with SUMO1 (PubMed:26524493). Preferentially transfers an additional SUMO2 chain onto the SUMO2 consensus site 'Lys-11' (PubMed:26524493). Negatively regulates transcriptional activation mediated by the SMAD4 complex in response to TGF-beta signaling. Inhibits EP300-mediated acetylation of histone H3 at 'Lys-9' (PubMed:24324267). Plays a role in regulating the transcription of AR targets (PubMed:18656483).[UniProtKB/Swiss-Prot Function]