

Product datasheet for **RC226400L4V**

IQSEC2 (NM_001111125) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IQSEC2 (NM_001111125) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IQSEC2
Synonyms:	BRAG1; IQ-ArfGEF; MRX1; MRX18; MRX78
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001111125
ORF Size:	4464 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC226400).
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_001111125.1
RefSeq ORF:	4467 bp
Locus ID:	23096
UniProt ID:	Q5JU85
Cytogenetics:	Xp11.22
Protein Pathways:	Endocytosis
MW:	162.6 kDa



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Gene Summary:

This gene encodes a guanine nucleotide exchange factor for the ARF family of small GTP-binding proteins. The encoded protein is a component of the postsynaptic density at excitatory synapses, and may play a critical role in cytoskeletal and synaptic organization through the activation of selected ARF substrates including ARF1 and ARF6. Mutations in this gene have been implicated in nonsyndromic X-linked cognitive disability. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2011]