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Product datasheet for RC212859L4V

Keratin 80 (KRT80) (NM_182507) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Keratin 80 (KRT80) (NM_182507) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Keratin 80
Synonyms:	KB20
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_182507
ORF Size:	1356 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212859).`
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_182507.1
RefSeq Size:	3411 bp
RefSeq ORF:	1359 bp
Locus ID:	144501
UniProt ID:	Q6KB66
Cytogenetics:	12q13.13
MW:	50.3 kDa

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Gene Summary: Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene's expression profile shows that it encodes a type II epithelial keratin, although structurally the encoded protein is more like a type II hair keratin. This protein is involved in cell differentiation, localizing near desmosomal plaques in earlier stages of differentiation but then dispersing throughout the cytoplasm in terminally differentiating cells. The type II keratins are clustered in a region of chromosome 12q13. Two transcript variants encoding two different fully functional isoforms have been found for this gene.[provided by RefSeq, Oct 2010]