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Product datasheet for RC209010L3V

Hairless (HR) (NM_005144) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hairless (HR) (NM_005144) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Hairless
Synonyms:	ALUNC; AU; HSA277165; HYPT4; MUHH; MUHH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005144
ORF Size:	3567 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC209010).`
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_005144.3
RefSeq Size:	5528 bp
RefSeq ORF:	3570 bp
Locus ID:	55806
UniProt ID:	O43593
Cytogenetics:	8p21.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	127.5 kDa

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Gene Summary: This gene encodes a protein that is involved in hair growth. This protein functions as a transcriptional corepressor of multiple nuclear receptors, including thyroid hormone receptor, the retinoic acid receptor-related orphan receptors and the vitamin D receptors, and it interacts with histone deacetylases. The translation of this protein is modulated by a regulatory open reading frame (ORF) that exists upstream of the primary ORF. Mutations in this upstream ORF cause Marie Unna hereditary hypotrichosis (MUHH), an autosomal dominant form of genetic hair loss. Mutations in this gene also cause autosomal recessive congenital alopecia and atrichia with papular lesions, other diseases resulting in hair loss. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2014]