

Product datasheet for **RG240222**

CHD4 (NM_001297553) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHD4 (NM_001297553) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHD4
Synonyms:	CHD-4; Mi-2b; Mi2-BETA; SIHIWES
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240222 representing NM_001297553. Blue=ORF Red=Cloning site Green=Tag(s)

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Protein Sequence:

>Peptide sequence encoded by RG240222
 Blue=ORF Red=Cloning site Green=Tag(s)

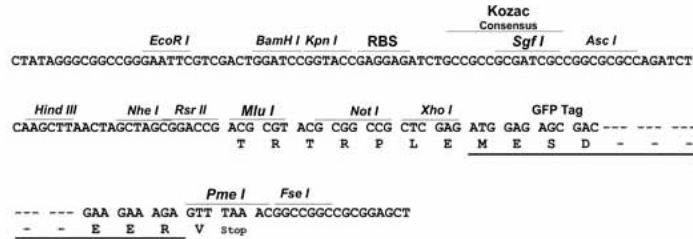
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Restriction Sites:

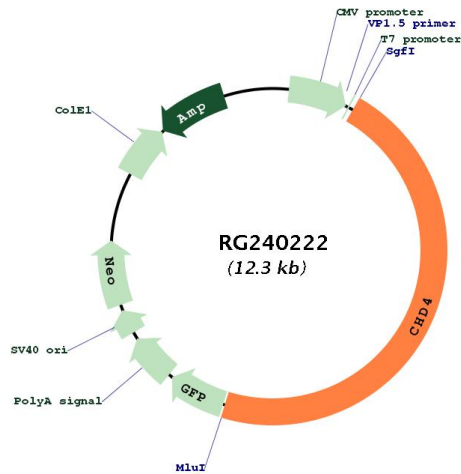
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001297553

ORF Size: 5715 bp

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.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
RefSeq:	NM_001297553.2
RefSeq Size:	6404 bp
RefSeq ORF:	5718 bp
Locus ID:	1108
UniProt ID:	Q14839
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transcription Factors
MW:	217.6 kDa
Gene Summary:	The product of this gene belongs to the SNF2/RAD54 helicase family. It represents the main component of the nucleosome remodeling and deacetylase complex and plays an important role in epigenetic transcriptional repression. Patients with dermatomyositis develop antibodies against this protein. Somatic mutations in this gene are associated with serous endometrial tumors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]