

Product datasheet for **SC329027**

HROB (NM_001171251) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HROB (NM_001171251) Human Untagged Clone
Tag:	Tag Free
Symbol:	HROB
Synonyms:	C17orf53; MCM8IP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC329027 representing NM_001171251.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGTGCGAGTTTGCAGAAGCTGTTTGCTGTGGAAGAGGAGTTTGAAGATGAGGATTTCTGTCTGCT
GTGGAGGATGCAGAGAACCGGTTTACTGGCTCACTGCCTGTGAATGCTGGGCGCCTGAGACCTGTCTCT
TCTAGGCCACAGGAGACTGTGCAGGCACAGTCTCCAGGCTGCTGCTGTTACACCCCACTGCTCCCTCA
GAGGCTTTGGGCTGCCAGACTTGGACCTCTGCCTCCCTGCCTCCAGCACGCCCACTGCTGACAGCCGT
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CTGGCAAGCATGGAGTTGGAGGAGCCTGGCATGGAGCTGGAATGTGGAGTCAGCAGTGAGGCCATACCA
ATCCTGCCTGCCAGCAGCGGGAGGGTTCACTATTGGCTAAAAAGCCCGGTAGTTGATCTGAGTGGA
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GATCCTGTCTCAATGTAGGACTCCACGACCCCTTGGAGCTGGTGTGTGGGTACCTTCCCTGTT
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GTGGCTGCAAAGCCGAGGAAGGCTTCAGAACAGCACAGAACCTAGAGGCAGAGGCGTCCCTGAGGAA
GAACTCCAGAAAGCAGATGACCTGGATGGACTCCTGAGTGAGCTTCTGAAGACTTCTTCTGTGGGACC
AGTAGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001171251

Insert Size: 1941 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001171251.2</u>
RefSeq Size:	2756 bp
RefSeq ORF:	1941 bp
Locus ID:	78995
UniProt ID:	<u>Q8N3J3</u>
Cytogenetics:	17q21.31
MW:	69.6 kDa
Gene Summary:	DNA-binding protein involved in homologous recombination that acts by recruiting the MCM8-MCM9 helicase complex to sites of DNA damage to promote DNA repair synthesis. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The resulting isoform (2) lacks one internal amino acid, compared to isoform 1.