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Product datasheet for RC217907

HOATZ (NM_207430) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOATZ (NM_207430) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HOATZ
Synonyms:	C11orf88
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC217907 representing NM_207430
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAACGGGACCCAGCGAAGAACCTAGCGGCCGAAAAGAGTCCCAGGAAATGTGCCCCCCGGGATTAC
TGGTATTTGCTGGCTCCTCGGAACAAGATGCCAACTTGGCTAAGCAGTTCTGGATCTCGGCGTCGATGTA
TCCCCCTAGCGAATCTCAGCTGGTGCTGCGCAGAGACAGCAGTCAGCGTCTGCCGGTGGCGCGGCCCAGG
AGGAGCAGAGGGTCTGAAAACAGCCACTCCTCGCAGTCTTTTCACCTTGCGAGTAACAAAAATAGAGACA
TCTTTGCCGAAGCCCTAAAGATACAGGAATCTGAGGAGAAAGTAAAGTATCTCCAAAAGACAAGGTCTCA
CTCTGTCACCCAGAATGAAGTGCAGTGGCATGATCATGGCTCACTGCAGCCTCAACTTTCTCGGATTCAG
GCTAAAACAAGAGAAGAGATTCTCCAACTCTTAAGAAAACAAAGAGAAGAAAGGATCTCGAAAGAACTGA
TTTCCCTTCCGTATAAACCAAAAGCCAAAGAACACAAAGCAAAGAAAGTGGTATCAGAGTCAGATAAAGA
GGACCAAGAAGAAGTCAAAACTTTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC217907 representing NM_207430
Red=Cloning site Green=Tags(s)

METGPSEEPSGRKESQEMCPPGLLVFAGSSEQDANLAKQFWISASMYPPSESQLVLRRDSSQRLPVARPR
RSRGSENSHSSQSFHLASNKNRDIFAEALKIQESEEKVKYLQKTRSHSVTQNEVQWHDHGSLQPQLSRIQ
AKTREEILQLLRKQREERISKELISLPYKPKAKEHKAKKVVSESDKEDQEEVKTLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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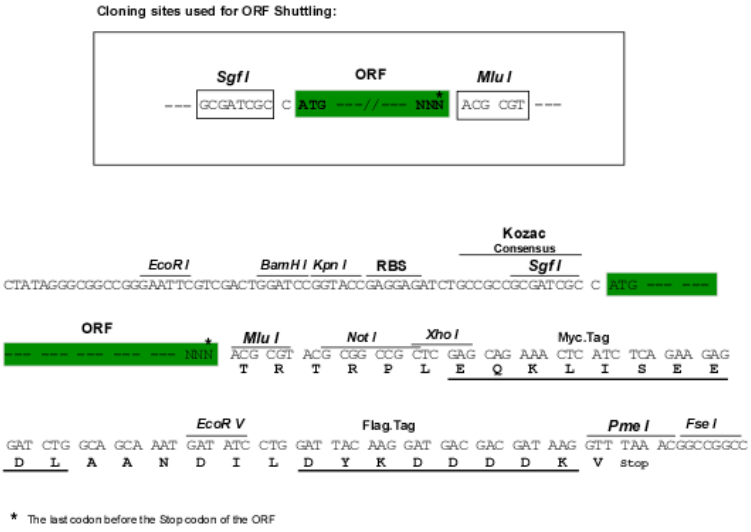
Chromatograms: https://cdn.origene.com/chromatograms/mk8016_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207430

ORF Size: 588 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).

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: NM_207430.2, NP_997313.2

RefSeq Size: 800 bp

RefSeq ORF: 591 bp

Locus ID: 399949

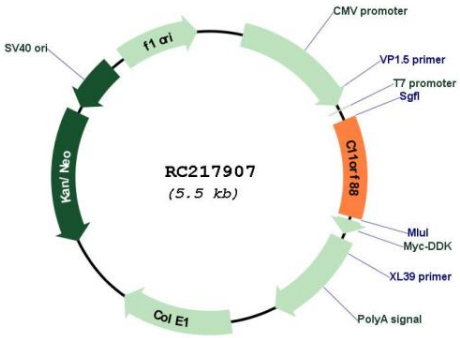
UniProt ID: Q6PI97

Cytogenetics: 11q23.1

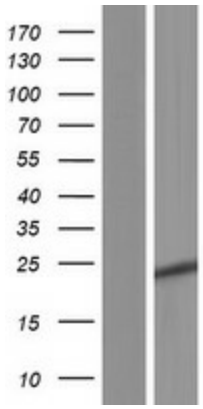
MW: 22.3 kDa

Gene Summary: Required for motile ciliogenesis and flagellar genesis by mediating the maturation of the glycolytic enzyme ENO4.[UniProtKB/Swiss-Prot Function]

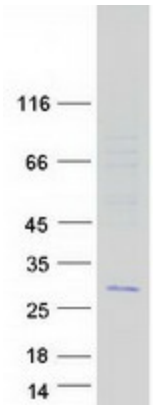
Product images:



Circular map for RC217907



Western blot validation of overexpression lysate (Cat# [LY404031]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217907 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C11orf88 protein (Cat# [TP317907]). The protein was produced from HEK293T cells transfected with C11orf88 cDNA clone (Cat# RC217907) using MegaTran 2.0 (Cat# [TT210002]).