

Datasheet for ABIN4926937

## Human MT1P2 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

### Overview

Quantity:	10 µg
Gene:	MT1HL1 (MT1P2)
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human MT1HL1 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	186 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGACCCCA ACTGCTCCTG CGCCGCTGGA GGCTCCTACG CCTGCGCCGG CTCCTGCAAG TGCAAAAAGT GCAAATGCAC CTCCTGCAAG AAGAGCTGCT GCTCCTGTTG CCCCCTGGGC TGTGCCAAGT GTGCCAGGG CTGCATCCGC AAAGGGGCTT CGGAAAAGTG CAGCTGCTGT GCCTGA
Specificity:	ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning

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## Product Details

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technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

## Target Details

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Gene: MT1HL1 (MT1P2)

Alternative Name: MT1HL1 ([MT1P2 Products](#))

Background: This gene is a retrotransposed gene, compared to MT1H (GeneID:4496). This retrogene is transcribed. It retains a full-length CDS, and is assumed to be translated. Compared to the MT1H product, this protein product differs at three internal amino acids, two of which are at metal-binding sites. [provided by RefSeq, Mar 2013].

Gene ID: 645745

NCBI Accession: [NM\\_001276687](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

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## Handling

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Expiry Date: 12 months

## Publications

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Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)