

Product datasheet for MR219416L4

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Dnajb6 (NM_001037940) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Dnajb6 (NM 001037940) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Dnajb6

Synonyms: HSJ-2; mDj4; Mrj

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR219416).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001037940

ORF Size: 1095 bp





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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: <u>NM 001037940.4</u>, <u>NP 001033029.1</u>

RefSeq Size: 2708 bp
RefSeq ORF: 1098 bp
Locus ID: 23950
UniProt ID: 054946
Cytogenetics: 5 B1

Gene Summary: Plays an indispensable role in the organization of KRT8/KRT18 filaments. Acts as an

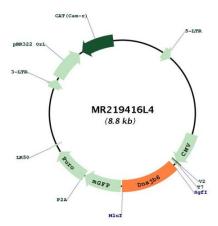
endogenous molecular chaperone for neuronal proteins including huntingtin. Suppresses aggregation and toxicity of polyglutamine-containing, aggregation-prone proteins (By similarity). Has a stimulatory effect on the ATPase activity of HSP70 in a dose-dependent and

time-dependent manner and hence acts as a co-chaperone of HSP70. Also reduces cellular

toxicity and caspase-3 activity (By similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MR219416L4