

Product datasheet for SC317484

Nucleotide binding protein like (NUBPL) (NM_025152) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nucleotide binding protein like (NUBPL) (NM_025152) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nucleotide binding protein like
Synonyms:	C14orf127; hulnd1; IND1; MC1DN21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317484 representing NM_025152. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGATTTGGCAGCGTCTGCTGCTTTTTGGTGGGGTGTGCTCCGGGCTGGTGGCGGGGCCACTGCC
CCGCTTGGGGGAAGCCGAGCGATGGTTTGTGGCGCCAGTTGTCTGGCGCCGGGAGTGAGACCCTAAAA
CAAAGAAGAACAACAAATCATGTCCCGAGGACTTCCAAAGCAGAAACCGATAGAAGGTGTTAAACAAGTT
ATAGTTGTGGCTTCTGAAAAGGGTGGAGTCGAAAATCTACTACAGCAGTGAATCTGCACCTGCACTA
GCAGCGAACGATTCGTCCAAGGCCATTGGTTTGTAGATGTGGATGTGTATGGACCTTCAGTTCCAAAG
ATGATGAATCTGAAAGGAAATCCGGAATTATCACAGAGCAACCTAATGAGGCCTCTTTGAATTATGGT
ATTGCTTGATGTCTATGGGCTTTCTGGTTGAAGAAAGTGAACCAGTAGTTTGGAGAGGCCCTTATGGTA
ATGTCCGGCCATTGAGAAATTGTTGAGGCAGGTAGATTGGGGTCAACTGGACTACTTAGTTGTAGACATG
CCACCAGGAACCTGGAGATGTGCAGTTATCAGTCTCACAGAATATTCCTATAACAGGTGCTGTGATTGTC
TCCACGCCCCAGGACATCGCATTGATGGATGCACACAAGGGTGTGAGATGTTTCGCAGAGTCCACGTG
CCCGTCCCTGGCCTTGTCCAAAACATGAGTGTTTTCCAGTGTCCAAAATGTAACACAAAACCTCATATT
TTTGGTGTGATGGTGAAGGAACTAGCACAGACCCTGGTCTTGAAGTCTAGGAGACATCCCTTA
CACCTTAATATAAGGGAAGCTTCAGATACAGGCCAGCCAATTGTGTTTTACAGCCTGAAAGTGATGAG
GCCAAAGCTTACTTGAGGATTGCTGTGGAAGTGGTAAGAAGATTGCCATCACCTCAGAAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_025152
Insert Size:	960 bp



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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:	<ol style="list-style-type: none"> 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_025152.2</u>
RefSeq Size:	3072 bp
RefSeq ORF:	960 bp
Locus ID:	80224
UniProt ID:	<u>Q8TB37</u>
Cytogenetics:	14q12
MW:	34.1 kDa
Gene Summary:	<p>This gene encodes a member of the Mrp/NBP35 ATP-binding proteins family. The encoded protein is required for the assembly of the respiratory chain NADH dehydrogenase (complex I), an oligomeric enzymatic complex located in the inner mitochondrial membrane. Mutations in this gene cause mitochondrial complex I deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>