

Product datasheet for SC105025

C14orf142 (GON7) (NM_032490) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	C14orf142
Synonyms:	C14orf142; PNAS-127
Mammalian Cell	None
Selection:	
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032490, the custom clone sequence may differ by one or more nucleotides

ATGGAGCTGCTGGGAGAGTACGTCGGGCAGGAAGGGAAGCCGAGAAAGCTGCGGGTGTCTGTGAGGCGC
CGGGTGACGGCGACCCCTTCCAGGGCCTGTTGTCTGGCGTGGCCAGATGAAGGACATGGTAACGGAATT
ATTCGACCCCTCTGGTACAGGGGGAAGTGCAGCACCGGGTGGCGCGGCTCCAGACGAGGACTTGGACGGT
GATGATGAAGATGATGCAGAAGATGAAAAAATACATTGATAACAGAACTAACTTCGATGGACCATCTGCAA
AACGGCCAAAAACCGTCTTAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032490 unedited
CCGTCAGATTTGTATACGACTCATATAGGCGGCCGCGNAATCGGCACGAGGCAGAAAGCTG
CGGGTGTCTGTGAGGCGCCGGGTGACGGCGACCCCTTCCAGGGCCTGTTGTCTGGCGTG
GCCAGATGAAGGACATGGTAACGGAATTATTCGACCCCTCTGGTACAGGGGGAAGTGCAG
CACCGGGTGGCGCGGCTCCAGACGAGGACTTGGACGGTGATGATGAAGATGATGCAGAA
GATGAAAAAATACATTGATAACAGAACTAACTTCGATGGACCATCTGCAAAACGGCCAAAA
ACACCGTCTTAACAATAGCCTTCATGACATTTAAAGAGGGCTGTTGTATCCTTATTGTC
ACACTAGGACATTTAAGGAAGACTTATGCTCTAATTTGAAAAAGCATTGTGTGTTCT
CCTGGGACAATTTGTCAAAGAGAAAACTGTTTTTCTGTTTCTAGCAAGATAGTAAAG
GCTTAGAAATAAAATCTGTTTTCTTGAGAAATAAATTCAGACCCCTGGAAGGAAAAATAGA
ACATTCATAATGTATAAAATCCTTAAGTTGGCAACTGAATTTTATCATTGTTTTCTA
TTTTTAAAAATACATTGATTGTGTGATGTCTACATCTTTAACTTCTGGTTCTGTTAT
AAAGAGTACATGTCACGGTTCATAGGCAGTAACATTTAGAGCACTGACATGAACAAGTA
GTGAAAATTGTGCATTAATAAACAATAACAGTTCTTCATACACAGAAGGAAAAATAAGG
AAATAGACATACCGACGAGACAGGAGAGTTCTTGCAAGAGACCTAAGGCAACCCCTGAATT
CATACTCACGTCAGATATGCACATATCCTGAGATGATGCCACTTTTGATGATGTGCATTA
GTCTGAGTATCATGTACCT



3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032490 unedited <pre> NTCATCTTGNACCGCGGCCGCATCTAANATCGAGTTTTTTTTTTTTTTTTATTTA GGAATATATATTTTTAAAGGATTCAATAATCTTTTAAAGCAAAATCAAAGTATGGCTA CAGGAGGAGAGGAAATATCCAAATTGTAATCAATGCAGATTGTTTACTTAAGGCCTTATA TTTGTACCTGTATAAATACCATATCACAGCACAAAAACATACCCCATCTGGCTCTCTAA GGTACATGATAAATCAGACTAATGCACATTCATCAAAGTGGCATCATCTCAGGATATGTG CATATTTGACGTGGGTATGAATTCAGGGTTTCCTTGGGTCTCTTTCAAGGACTCTCCTTT CTCGTCGGTATTTCTATTTCTTATTTCTTCTGTTTATGAAGAACTGTTATTTTATA TTTAATGCCCAATTTTCACTACTTGTTCATGTCAGTTCTCTGAAATGTTACTGCCTATGA ACCGTGACATGTACTCTTTATAACAGAACCAGAAGTAAAAAGATGTACACATCACACAAA TCAATGATTATTTTAAAAATAGAAAACACTGATAAAATTCAGTTGCCACCTTAGAGGAT TTTATACATTATGAAGGGTCTATTTTGCTTCCAGGGTCTGAAATATTTCTAAAGGAAA CAGATTNTATTTGTAACCTTTCTATCCTTGCTAAAAACAGAAAACAGTTTCTCTTTG ACCAAATTGTTCCAGGAAACAACACAAATGCTTTTCCAATTAAAGCATAAGTCTTCCTT AAATGGGCTAGGGGGACAAAAGGATACACCGCCCTCCTTTAAAGTCGCTGAAGGCTA TCGGTAAAAACGGGTTTCTTGCCCGTTTGTCTAATGGCCCTCAGAACTCGGACCGCTATC AAGGGATTTAAACCTTCGGGCCACGAGAGCACTACCGAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032490
Insert Size:	1110 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032490.3, NP_115879.1</u>
RefSeq Size:	1191 bp
RefSeq ORF:	1191 bp
Locus ID:	84520

UniProt ID: Q9BXV9

Cytogenetics: 14q32.12

Gene Summary: Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. GON7 likely plays a supporting role to the catalytic subunit OSGEP in the complex.[UniProtKB/Swiss-Prot Function]