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Product datasheet for SC325540

RPL28 (NM_001136134) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPL28 (NM_001136134) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPL28
Synonyms:	L28
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001136134, the custom clone sequence may differ by one or more nucleotides ATGTCTGCGCATCTGCAATGGATGGTCGTGCGGAACTGCTCCAGTTTCCTGATCAAGAGG AATAAGCAGACCTACAGCACTGAGCCCAATAACTTGAAGGCCCGCAATTCCTTCCGCTAC AACGGACTGATTCACCGCAAGACTGTGGGCGTGGAGCCGGCAGCCGACGGCAAAGGTGTC GTGGTGGTCATTAAGCGGAGATCCGGCCAGCGGAAGCCTGCCACCTCCTATGTGCGGACC ACCATCAACAAGAATGCTCGCGCCACGCTCAGCAGCATCAGACACATGATCCGCAAGAAC AAGTACCGCCCCGACCTGCGCATGGTGAGCTGGGGTTTGGGGATCAGGCTTGGGGAGACT GGCCAGTGCTGTGGGGAAGGGCCTCCCACTACTGGTTGCAATATGGGCTGGAGAGGGATG GATTCTTGCTTTCAGCCTACTCCCCACACCCAGCATTGGCCTAGGGGGCGGCTTGTGGAG TGTATGGGC
Restriction Sites:	Please inquire
ACCN:	NM_001136134
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).

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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_001136134.1, NP_001129606.1
RefSeq Size:	4439 bp
RefSeq ORF:	492 bp
Locus ID:	6158
UniProt ID:	P46779
Cytogenetics:	19q13.42
Protein Pathways:	Ribosome
Gene Summary:	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L28E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.[provided by RefSeq, Oct 2008] Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic and transcript sequence to make the sequence consistent with the reference genome assembly. The extent of this transcript is based on transcript alignments.