

## Product datasheet for **SC215037**

### MRPS27 (NM\_015084) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MRPS27 (NM_015084) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MRPS27
Synonyms:	MRP-S27; S27mt
ACCN:	NM_015084
Insert Size:	1514 bp



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**Summary:**

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that may be a functional partner of the death associated protein 3 (DAP3). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Nov 2013]

**Locus ID:**

23107