

## Product datasheet for TP502402

### Nola1 (BC021873) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs) (cDNA clone MGC:28064 IMAGE:3709271),, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202402 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MSFRGGGRGGFNRRGGGGGFRGGGGGSFRGGGGGSFRGGGRGGFGRGGGRGGFNKFQDQGPPERVLL GEFMHPCEDDIVCKCTTEENKVPYFNAPVYLENKEQVGKVDIEFGQLRDFYFSVKLSENMKASSFKKLQK FYIDPYKLLPLQRFLPRPPGEKPPRGGGGGGRGGGRGGGGGRGGGRGGGFRGGGRGGGGFRGGGRGGG GFRGRGH  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	22.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	68147
UniProt ID:	<a href="#">Q9CY66</a>
RefSeq Size:	1145



[View online »](#)

**Cytogenetics:** 3 G3

**RefSeq ORF:** 651

**Synonyms:** GAR1

**Summary:** Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ("psi") residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme (By similarity).[UniProtKB/Swiss-Prot Function]