

# **Product datasheet**

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## ARG82364 Rat MSTN / GDF8 ELISA Kit

Package: 96 wells Store at: 4°C

## Component

Cat. No.	Component Name	Package	Temp
ARG82364-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82364-002	Standard	2 X 10 ng/vial	4°C
ARG82364-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82364-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG82364-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82364-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG82364-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82364-008	25X Wash buffer	20 ml	4°C
ARG82364-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82364-010	STOP solution	10 ml (Ready to use)	4°C
ARG82364-011	Plate sealer	4 strips	Room temperature

## **Summary**

Product Description	ARG82364 Rat MSTN / GDF8 ELISA RIT IS an Enzyme Immunoassay RIT for the quantification of Rat MSTN			
	/ GDF8 in serum, plasma (FDTA, heparin) and cell culture supernatants.			

**Tested Reactivity** Rat **Tested Application** ELISA

Target Name MSTN / GDF8

Conjugation HRP

Substrate: TMB and read at 450 nm. Conjugation Note

Sensitivity 15.6 pg/ml

Serum, plasma (EDTA, heparin) and cell culture supernatants. Sample Type

Standard Range 31.2 - 2000 pg/ml

Sample Volume 100 μΙ

Precision Intra-Assay CV: 5.0%

Inter-Assay CV: 6.3%

## **Application Instructions**

Assay Time ~ 5 hours

### **Properties**

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test

reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual

for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol MSTN

Gene Full Name myostatin

Background The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and

the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. This gene is thought to encode a secreted protein which negatively regulates skeletal muscle

growth. [provided by RefSeq, Jul 2008]

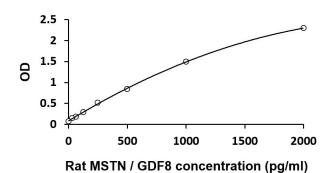
Function Acts specifically as a negative regulator of skeletal muscle growth. [UniProt]

Highlight Related products:

GDF8 antibodies: GDF8 ELISA Kits: New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Cellular Localization Secreted. [UniProt]

#### **Images**



#### ARG82364 Rat MSTN / GDF8 ELISA Kit standard curve image

ARG82364 Rat MSTN / GDF8 ELISA Kit results of a typical standard run with optical density reading at 450 nm.