

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 Kit is an Enzyme Immunoassay kit for the quantification of Rat MSTN / GDF8 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	MSTN / GDF8
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 6.3%

Alternate Names GDF-8; Myostatin; GDF8; MSLHP; Growth/differentiation factor 8

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

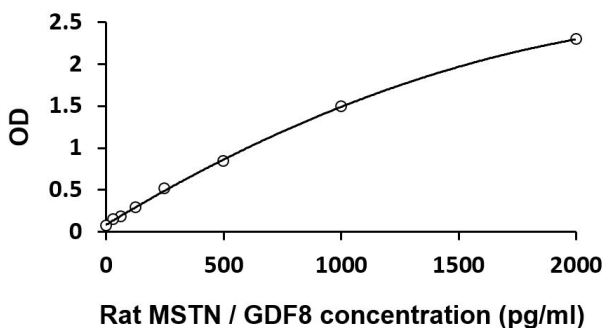
Background The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. 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.