Recombinant Mouse Smad4 protein, His & T7-tagged

Cat. No. Smad4-1978M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Smad4 aa. (Thr9~Ser231 (Accession # P97471)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Thr9~Ser231
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Characteristic	The isoelectric point is 7.8.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

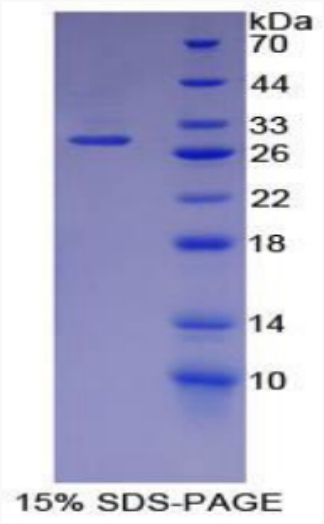
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Smad4 SMAD family member 4 [Mus musculus (house mouse)]
Official Symbol	Smad4
Synonyms	Cyp11a1; cytochrome P450, family 11, subfamily a, polypeptide 1; Scc; cscc; Cyp11a; Cypxia1; P450scc; D9Ertd411e; cholesterol side-chain cleavage enzyme, mitochondrial; cholesterol desmolase; cytochrome P450 11A1; cytochrome P450 side-chain cleavage enzyme; cytochrome P450(scc); cytochrome P450, 11a, cholesterol side-chain cleavage
Gene ID	17128
mRNA Refseq	NM_008540.2
Protein Refseq	NP_032566.2
UniProt ID	P97471

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SDS-PAGE

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