

Recombinant Rat SMAD3 Protein, His tagged

Cat. No. SMAD3-5608R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SMAD family member 3 Protein with His tag was expressed in HEK293.
Species	Rat
Source	HEK293
Description	Enables several functions, including DNA-binding transcription factor activity; RNA polymerase II transcription regulatory region sequence-specific DNA binding activity; and beta-catenin binding activity. Involved in several processes, including cell surface receptor protein serine/threonine kinase signaling pathway; positive regulation of hydrolase activity; and regulation of gene expression. Located in nucleus. Part of transcription regulator complex. Used to study pre-malignant neoplasm. Human ortholog(s) of this gene implicated in Loey's-Dietz syndrome 3; Lynch syndrome; and pancreatic cancer. Orthologous to human SMAD3 (SMAD family member 3).
Molecular Mass	49 kDa
AA Sequence	HHHHHHHHMSSILPFTPPIVKRLLGWKKGEQNGQEEKWCEKAVKSLVKKLKKTGQL DELEKAITTQNVNTKCITIPRSLDGRLQVSHRKGPHVIYCRLWRWPDLHSHHELRA MELCEFAFNMKKDEVCVNPHYHYQRVETPVLPPVLPVPRHTEIPAEFPPLDDYSHSIPE NTNFPAGIEPQSNIPETPPPGYLSEGETSDHQMNHSM DAGSPNLSPNPMSPAHN NLDLQPVTYCEPAFWCSISYYELNQRVGETFHASQPSMTVDGFTDPSNSERFCLGL LSNVNRNAAVELTRRHIGRGVRLYYIGGEVFAECLSDSAIFVQSPNCNQR YGWHPA

 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

TVCKIPPGCNLKIFNNQEFAALLAQSVNQGFEAVYQLTRMCTIRMSFVKGWGAEYR
RQTVTSTPCWIELHLNGLPLQWLDKVLTMGSPSIRCSSVS

Endotoxin < 1 EU/μg by LAL.

Purity > 50 % by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH 7.4

Concentration Target Protein ~0.2 mg/mL

GENE INFORMATION

Gene Name [Smad3 SMAD family member 3 \[Rattus norvegicus \(Norway rat\) \]](#)

Official Symbol [SMAD3](#)

Synonyms SMAD3; SMAD family member 3; mothers against decapentaplegic homolog 3; mad3; SMAD 3; MAD homolog 3; mothers against DPP homolog 3; MAD (mothers against decapentaplegic, Drosophila) homolog 3; Madh3;

Gene ID [25631](#)

mRNA Refseq [NM_013095](#)

Protein Refseq [NP_037227](#)

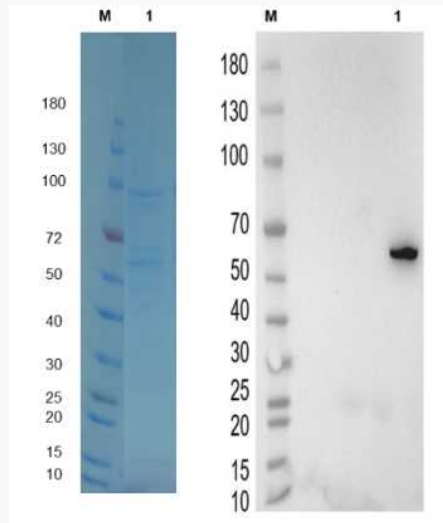
UniProt ID [P84025](#)

 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

**Reducing 12 % SDS-
PAGE (CBB stained)
and WB (Anti-His
Mouse Monoclonal
antibody) analysis
profiles of purified
SMAD3.**



 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