

Recombinant Human SMAD3 Protein

Catalog #	Source	Reactivity	Applications
CRP2818	E. coli	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human SMAD3 Protein is produced by E.coli expression system and the target gene encoding Ser2-Ser425 is expressed with a 6His, Flag tag at the N-terminus.
Form	Liquid in a 0.2 µm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, 2mM EDTA, pH 8.0.
Gene Symbol	SMAD3
Alternative Names	MADH3; Mothers against decapentaplegic homolog 3; MAD homolog 3; Mad3; Mothers against DPP homolog 3; hMAD-3; JV15-2; SMAD family member 3; SMAD 3; Smad3; hSMAD3
Entrez Gene	4088 (Human)
SwissProt	P84022 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	MRGSHHHHHH GSDYKDDDDK SSILPFTPII VKRLLGWKKG EQNGQEEKWC EKAVKSLVKK LKKTGQLDEL EKAITTQNVN TKCITIPRSL DGRLQVSHRK GLPHVIYCR L WRWPD L HSHH ELRAMELCEF AFNMKKDEVC VNPYHYQRVE TPVLPVLPVLP RHTEIPAEFP PLDDYSHSIP ENTNFPAGIE PQSNIPETPP PGLYSEDGET SDHQMNHSMD AGSPNLSPNP MSPAHNNLDL QPVTYCEPAF WCSISYYELN QRVGETFHAS QPSMTVDGFT DPSNSERFCL GLLSNVNRNA AVELTRRHIG RGVRLYYIGG EVFAECLSDS AIFVQSPNCN QRYGWHPATV CKIPPGCNLK IFNNQEFAAL LAQSVNQGFE AVYQLTRMCT IRMSFVKGWG AEYRRQTVTS TPCWIELHLN GPLQWLDKVL TQMGSPSIRC SSVS
Quality Control	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Application key:	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key:	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED

WEB
www.cohesionbio.com

ORDER
order@cohesionbio.com

SUPPORT
techsupport@cohesionbio.com

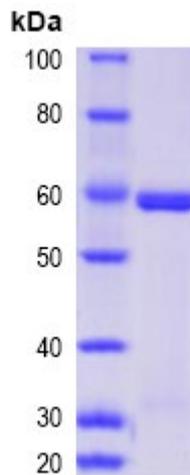
CUSTOM
custom@cohesionbio.com

Product Data Sheet

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

SDS-PAGE



Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

COHESION BIOSCIENCES LIMITED

WEB

www.cohesionbio.com

ORDER

order@cohesionbio.com

SUPPORT

techsupport@cohesionbio.com

CUSTOM

custom@cohesionbio.com