

# Product Datasheet

## Recombinant Human Smad1 GST (N-Term) Protein H00004086-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00004086-P01-10ug****Recombinant Human Smad1 GST (N-Term) Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Purity</b>	>80% by SDS-PAGE and Coomassie blue staining
<b>Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
<b>Target Molecular Weight</b>	76.89 kDa

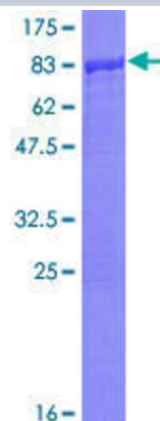
<b>Product Description</b>	
<b>Description</b>	<p>Recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-465 of Human SMAD1</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MNVTSLFSFTSPAVKRLLGWKQGDEEEKWAEKAVDALVKKLKKKKGAMEEELE  KALSCPGQPSNCVTIPRSLDGRLQVSHRKGLPHVIYCRVWRWPDQLQSHHELK  PLECCEFPFGSKQKEVCINPYHYKRVESPVLPVLVPRHSEYNPQHSLLAQFR  NLGQNEPHMPLNATFPDSFQQPNSHPPHSPNSSYPNSPGSSSSSTYPHSPTS  SDPGSPFQMPADTPPPAYLPPEDPMTQDGSQPMMDTNMMAPPLPSEINRGDV  QAVAYEETPKHWCSIVYYELNNRVGEAFHASSTSVLVDGFTDPSNNKNRFLCLGL  LSNVNRNSTIENTRRHIGKGVHLYYVGGEVYAECLSDSSIFVQSRNCNYHHGF  HPTTVCKIPSGCSLKIFNNQEFAQLLAQSVNHGFETVYELTKMCTIRMSFVKGW  GAEYHRQDVTSTPCWIEIHLHGPLQWLDKVLTMGSPHNPISSVS</p>
<b>Gene ID</b>	4086
<b>Gene Symbol</b>	SMAD1
<b>Species</b>	Human
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Details of Functionality</b>	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, Protein Array, Immunoaffinity Purification



## Images

Recombinant Human Smad1 Protein [H00004086-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



## Publications

Andrews PS, Schneider S, Yang E et al. Identification of Substrates of SMURF1 Ubiquitin Ligase Activity Utilizing Protein Microarrays. Assay Drug Dev Technol. 2010-01-01 [PMID: 20804422]

Suh JS, Lee JY, Lee G et al. Simultaneous imaging and restoration of cell function using cell permeable peptide probe. Biomaterials. 2014-05-12 [PMID: 24831974]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to H00004086-P01-10ug**

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H00004086-Q01-10ug	Recombinant Human Smad1 GST (N-Term) Protein
7754-BH-005/CF	TGF-beta 1 [Unconjugated]
AF2039	Smad1 Antibody [Unconjugated]
314-BP-010	BMP-4 [Unconjugated]

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### **Limitations**

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