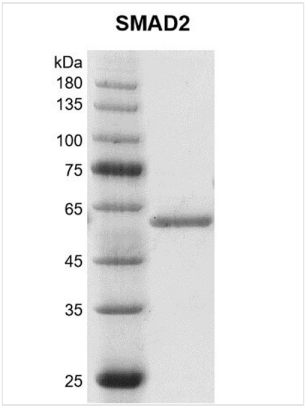
SMAD2 Recombinant Protein

PRODUCT OVERVIEW

Product Name	SMAD2, Recombinant Protein
Full Product Name	Recombinant SMAD2 Protein
Product Gene Name	SMAD2 recombinant protein
Product Synonym Names	SMAD family member 2; MADR2; MADH2; Mothers Against Decapentaplegic Homolog 2; HMAD-2
Host	Baculovirus
Form/Format	Recombinant SMAD2 protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.
Source	Human
Additive	Glycerol
Additive Amount	20%
Product Categories/Family for SMAD2 recombinant protein	Transcription
Application Notes for SMAD2 recombinant protein	This product was manufactured as described in description. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for this product is shown.
Related Product Information for SMAD2 recombinant protein	Description: Recombinant SMAD2 protein was expressed in a baculovirus expression system as the full length protein (accession number NP_005892.1) with an N-terminal FLAG tag. The molecular weight of SMAD1 is 53.58 kDa. Background: The transforming growth factor-beta (TGF-b) superfamily signaling controls a wide variety of biological processes from development to pathogenesis primarily through intracellular Smad proteins. Smads are structurally and functionally grouped into three subfamilies: five receptor-activated Smads (R-Smads), one common Smad and two inhibitory Smads. Of R-Smads, Smad2 and Smad3 (Smad2/3 thereafter for simplicity) transduce activin and TGF-b signals, whereas Smad1, Smad5 and Smad8 transduce signals from the BMP/GDF (Bone Morphogenetic Proteins/ Growth Differentiation Factor) family. SMAD2 is key intracellular signal transducers for TGF-b signaling and their transcriptional activities are controlled through reversible phosphorylation and nucleocytoplasmic shuttling.
Other Notes	Small volumes of SMAD2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SMAD2 purchase	MBS389767 is a recombinant protein targeting SMAD2. Also known as Recombinant SMAD2 Protein. Host: Baculovirus.



SDS-Page of SMAD2 recombinant protein
Recombinant SMAD2 protein 10% SDS-PAGE Comassie staining MW: 53.58 kDa Purity: >95%

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SMAD2. It may not necessarily be applicable to this product.

Protein Family	Mothers against decapentaplegic
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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