

SMAD2 Protein, Mouse (sf9, His-GST)

Cat. No.:	HY-P73637
Synonyms:	Mothers against decapentaplegic homolog 2; MAD homolog 2; hMAD-2; SMAD2; MADH2; MADR2
Species:	Mouse
Source:	Sf9 insect cells
Accession:	Q62432 (S2-S467)
Gene ID:	17126
Molecular Weight:	Approximately 90 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 500 mM NaCl, pH 8.0, 10% Glycerol, 3 mM DTT. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The protein CREB-binding protein (CBP) interacts with several other proteins, including EP300, SNON, ALK4/ACVR1B, SKOR1, SKOR2, PRDM16, LEMD3, RBPMS, WWP1, RANBP3, PDPK1, DAB2, USP15, PPP5C, LDLRAD4, PMEPA1, ZFH3, ZNF451, SMURF2, PPM1A, TGF-beta, TGFB1, TGIF, SMAD3, TRIM33, ZNF580, NEDD4L, HGS, AIP1, WWP1, PML, ZNF8, RNF111, YAP1, and IPO7. These interactions play roles in various cellular processes, including TGF-beta signaling and transcriptional regulation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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