

Recombinant Human SMAD family member 5 Protein, His tagged

Cat. No. SMAD5-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMAD5 Protein (155-258aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	155-258aa
Description	The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants.
Tag	C-His
Molecular Mass	12 kDa
AA Sequence	MVQFRNLSHNEPHMPQNATFPDSFHQPNNTPFPLSPNSPYPPSPASSTYPNSPAS SGPGSPFQLPADTPPPAYMPPDDQMGQDNSQPMDTSNMIPQIMPSISSRHHHHH HHH
Endotoxin	< 1 EU/μg by LAL

 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

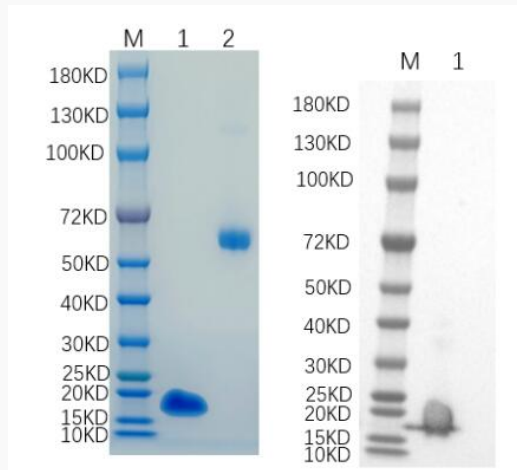
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4
Concentration	1 mg/mL by BCA
GENE INFORMATION	
Gene Name	SMAD5 SMAD family member 5 [Homo sapiens (human)]
Official Symbol	SMAD5
Synonyms	SMAD5; SMAD family member 5; MAD, mothers against decapentaplegic homolog 5 (Drosophila) , MADH5, SMAD, mothers against DPP homolog 5 (Drosophila); mothers against decapentaplegic homolog 5; Dwfc; JV5 1; SMA- and MAD-related protein 5; SMAD, mothers against DPP homolog 5; MAD, mothers against decapentaplegic homolog 5; mothers against decapentaplegic, drosophila, homolog of, 5; DWFC; JV5-1; MADH5; DKFZp781C1895; DKFZp781O1323
Gene ID	4090
mRNA Refseq	NM_001001419
Protein Refseq	NP_001001419
MIM	603110
UniProt ID	Q99717

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**Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
SMAD5.**



1. SMAD5
2. BSA

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