

## Mothers against decapentaplegic homolog 7

Catalog No: #AP78604



Package Size: #AP78604-1 50ug #AP78604-2 100ug #AP78604-3 1mg

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## Description

Product Name	Mothers against decapentaplegic homolog 7
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	Recombinant Protein
Other Names	Madh7, Madh8, Mothers against decapentaplegic homolog 8, SMAD family member 7, MAD homolog 8, SMAD 7
Accession No.	O35253 Gene name: Smad7
Uniprot	O35253
GeneID	17131;
Tag Info	His
Formulation	50mM NaH <sub>2</sub> PO <sub>4</sub> , 500mM NaCl Buffer with 500mM Imidazole, 10% glycerol (PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.) Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Antagonist of signaling by TGF-beta (transforming growth factor) type 1 receptor superfamily members; has been shown to inhibit TGF-beta (Transforming growth factor) and activin signaling by associating with their receptors thus preventing SMAD2 access. Functions as an adapter to recruit SMURF2 to the TGF-beta receptor complex. Also acts by recruiting the PPP1R15A-PP1 complex to TGFBR1, which promotes its dephosphorylation. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator.

## References

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Note: This product is for in vitro research use only