

Product datasheet for **TP502100**

Cited1 (NM_007709) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Cbp/p300-interacting transactivator with Glu/Asp-rich carboxy-terminal domain 1 (Cited1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202100 representing NM_007709 Red =Cloning site Green =Tags(s) MPTMSRPALDVKGGTTSKEDANQEMNSLAYSNLGVKDRKAVTVLHYPGVTANGAKANGVPTSSSGSTSP IGSPTATPSSKPPSFLHPTPHLMASMLQLKLNLSQYQGAAATAAAALTGAGLPGEEPMQNWVTAPLVVG GSPGSVSPPAGAQSPALIDSDPVDEEVLM SLVVELGLDRANELPELWLGQNEFDFTADFPSGC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	21.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031735
Locus ID:	12705
UniProt ID:	P97769 , Q3UGA1
RefSeq Size:	988



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Cytogenetics: X 45.25 cM

RefSeq ORF: 609

Synonyms: AI316840; AU019144; Msg1

Summary: Transcriptional coactivator of the p300/CBP-mediated transcription complex. Enhances SMAD-mediated transcription by strengthening the functional link between the DNA-binding SMAD transcription factors and the p300/CBP transcription coactivator complex. Stimulates estrogen-dependent transactivation activity mediated by estrogen receptors signaling; stabilizes the interaction of estrogen receptor ESR1 and histone acetyltransferase EP300. Positively regulates TGF-beta signaling through its association with the SMAD/p300/CBP-mediated transcriptional coactivator complex. Induces transcription from estrogen-responsive promoters and protection against cell death. Potentiates EGR2-mediated transcriptional activation activity from the ERBB2 promoter. Acts as an inhibitor of osteoblastic mineralization through a cAMP-dependent parathyroid hormone receptor signaling. May play a role in pigmentation of melanocytes. Associates with chromatin to the estrogen-responsive TGF-alpha promoter region in a estrogen-dependent manner.[UniProtKB/Swiss-Prot Function]