

Recombinant Human CHD4 protein, GST-tagged

Cat. No. CHD4-2793H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHD4(635 a.a. - 734 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	635-734 a.a.
Description	The product of this gene belongs to the SNF2/RAD54 helicase family. It represents the main component of the nucleosome remodeling and deacetylase complex and plays an important role in epigenetic transcriptional repression. Patients with dermatomyositis develop antibodies against this protein. Somatic mutations in this gene are associated with serous endometrial tumors. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa
AA Sequence	AADADVDPNIGPYVFELPFVPAAVRKNWTITRLNGDYAQLSLRILYLEAGMYDVPIIVT DSGNPPLSNTSIIKVK VPCDDNGDCTTIGAVAAAGLGTGA
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
GENE INFORMATION	
Gene Name	CHD4 chromodomain helicase DNA binding protein 4 [Homo sapiens]
Official Symbol	CHD4
Synonyms	CHD4; chromodomain helicase DNA binding protein 4; chromodomain-helicase-DNA-binding protein 4; Mi 2b; Mi2 BETA; CHD-4; ATP-dependent helicase CHD4; Mi-2 autoantigen 218 kDa protein; Mi-2b; Mi2-BETA; DKFZp686E06161;
Gene ID	1108
mRNA Refseq	NM_001273
Protein Refseq	NP_001264
MIM	603277
UniProt ID	Q14839
Chromosome Location	12p13
Pathway	Signaling events mediated by HDAC Class I, organism-specific biosystem;
Function	ATP binding; ATP-dependent DNA helicase activity; DNA binding; helicase activity; hydrolase activity; hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides; metal ion binding; nucleotide binding; protein binding;

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transcription factor binding; zinc ion binding;

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