

Recombinant Human CHD8 Protein, His-tagged

Cat. No. CHD8-773H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHD8 Protein (Leu823-Arg1288) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu823-Arg1288
Description	This gene encodes a member of the chromodomain-helicase-DNA binding protein family, which is characterized by a SNF2-like domain and two chromatin organization modifier domains. The encoded protein also contains brahma and kismet domains, which are common to the subfamily of chromodomain-helicase-DNA binding proteins to which this protein belongs. This gene has been shown to function in several processes that include transcriptional regulation, epigenetic remodeling, promotion of cell proliferation, and regulation of RNA synthesis. Allelic variants of this gene are associated with autism spectrum disorder. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.7 kDa; Accurate Molecular Mass: 58 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CHD8 chromodomain helicase DNA binding protein 8 [Homo sapiens (human)]
Official Symbol	CHD8
Synonyms	CHD8; chromodomain helicase DNA binding protein 8; helicase with SNF2 domain 1, HELSNF1; chromodomain-helicase-DNA-binding protein 8; DUPLIN; KIAA1564; duplin; axis duplication inhibitor; ATP-dependent helicase CHD8; helicase with SNF2 domain 1; HELSNF1; DKFZp686N17164;
Gene ID	57680
mRNA Refseq	NM_001170629
Protein Refseq	NP_001164100

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MIM	610528
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UniProt ID	Q9HCK8
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