

Recombinant Human CHD7 Protein, His-tagged

Cat. No. CHD7-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Partial recombinant protein (Ala685-Asn988) of human CHD7 (Chromodomain Helicase DNA Binding Protein 7). Expressed in E. coli with N-terminal His tag.
Species	Human
Source	E. coli
ProteinLength	Ala685-Asn988 aa (304 aa)
Description	CHD7 (Chromodomain Helicase DNA Binding Protein 7) is an ATP-dependent chromatin remodeling enzyme that contains multiple chromodomains and helicase domains. Mutations in CHD7 are associated with CHARGE syndrome (Coloboma, Heart defects, Atresia of choanae, Retarded growth, Genital hypoplasia, Ear anomalies). CHD7 plays critical roles in embryonic development, neural crest cell migration, and regulation of gene expression through chromatin remodeling.
Form	Liquid
Molecular Mass	35.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

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Storage	Store at -80°C. Stable for 12 months. Avoid repeated freeze-thaw cycles.
Concentration	>0.05 ug/uL as determined by microplate BCA method
Storage Buffer	50 mM Tris-HCl, pH 8.0, 8 M urea
GENE INFORMATION	
Gene Name	CHD7
Official Symbol	CHD7
Synonyms	CRG; HH5; IS3; KAL5
Gene ID	55636
mRNA Refseq	NM_017780
Protein Refseq	NP_060250
MIM	608892
UniProt ID	Q9P2D1
SDS-PAGE	

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