

## Recombinant Human CHD4 Protein (1-239 aa), His-tagged

**Cat. No.** CHD4-1180H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CHD4 Protein (1-239 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal and C-terminal. Research Area: Epigenetics and Nuclear Signaling. Protein Description: Partial.              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-239 aa                                                                                                                                                                                                                                                  |
| <b>Description</b>      | Component of the histone deacetylase NuRD complex which participates in the remodeling of chromatin by deacetylating histones.                                                                                                                            |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 31.8 Kda                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MASGLGSPSPCSAGSEEDMDALLNNSLPPHPENEEDPEEDLSETETPKLKKKKK<br>PKKPRDPKIPKSKRQKKERMLLCRQLGDSSGEGPEFVEEEEEVALRSDSEGSDYTP<br>GKKKKKKLGPKKEKSKSKRKEEEEEEDDDDSKEPKSSAQLLEDWGMEDIDHVFS<br>EEDYRTLTYKAFSQFVRPLIAAKNPKIAVSKMMMLVGLAKWREFSTNNPFGSSGA<br>SVAAAAAAVAVVES |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                          |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                     |

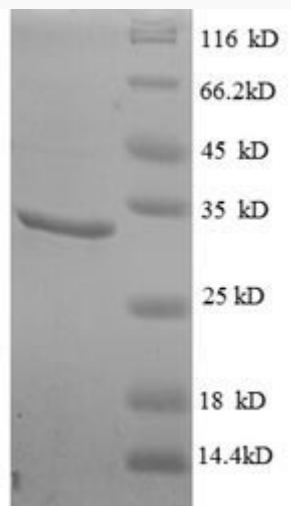
## GENE INFORMATION

|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| <b>Gene Name</b>       | CHD4 chromodomain helicase DNA binding protein 4 [ Homo sapiens ] |
| <b>Official Symbol</b> | CHD4                                                              |
| <b>Synonyms</b>        | CHD4; Mi 2b; Mi2 BETA; CHD-4; Mi-2b; Mi2-BETA; DKFZp686E06161;    |
| <b>Gene ID</b>         | 1108                                                              |
| <b>mRNA Refseq</b>     | NM_001273                                                         |
| <b>Protein Refseq</b>  | NP_001264                                                         |
| <b>MIM</b>             | 603277                                                            |
| <b>UniProt ID</b>      | Q14839                                                            |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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