PRODUCT DATA SHEET

CHD4-[PHD-CHR] (His)

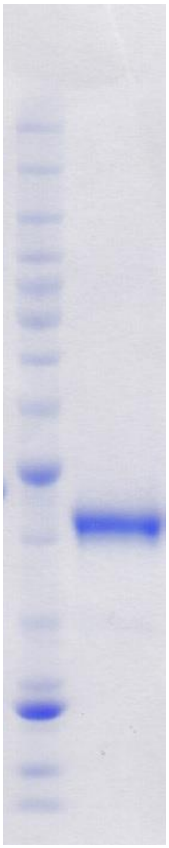
CATALOG NO.: RD-11-422 **LOT NO.:**

DESCRIPTION: Human recombinant CHD4 [PHD-CHR] (residues 367-680; Genbank Accession # NM_001273.3; MW = 38.4 kDa) expressed as a C-terminal His-fusion protein in *E. coli*.

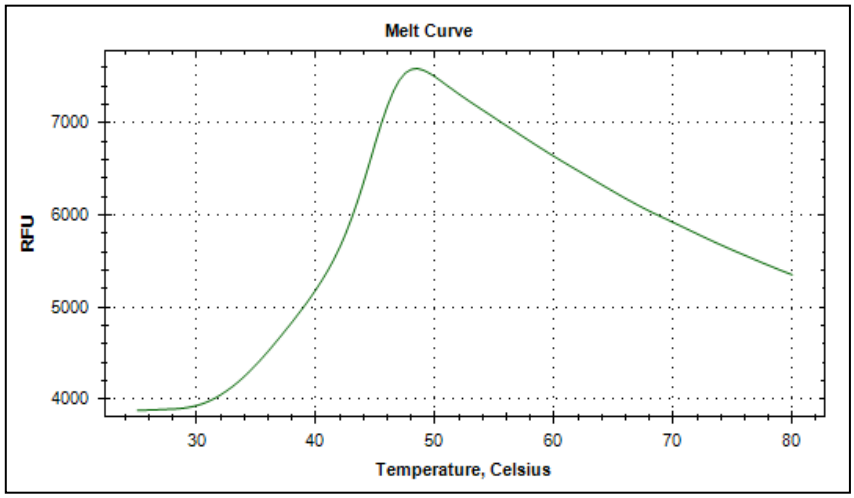
PURITY: >90% by SDS-PAGE

SUPPLIED AS: _ µg/µL in 50 mM Tris HCl, pH 7.5, 500 mM NaCl, 1 mM TCEP, 10% glycerol as determined by OD_{280}.

STORAGE: -70°C. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry ice/ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (<5 µl) or storage of diluted enzyme is not recommended.



Coomassie blue-stained SDS-PAGE (4-12% acrylamide) of 4 µg of RBC CHD4 [PHD-CHR] (His). MW markers (left) are, from top, 220, 160, 120, 100, 90, 80, 70, 60, **50**, 40, 30, 25, **20**, 15, 10 kDa.



Differential Scanning Fluorimetry of RBC CHD4-[PHD-CHR] (His). Thermal denaturation of CHD4 [PHD-CHR] (His) is detected (CFX384™ Touch thermal cycler, 'FRET' channel; Bio-Rad) by increased binding and fluorescence of the dye SYPRO® Orange (Life Technologies). Apo form of CHD4- [PHD-CHR] (His) displays a Tm of 44.5°C.

This product is NOT intended for therapeutic or diagnostic use in animals or in humans.

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