

MATERIAL DATA SHEET

Recombinant Human MINDY2

Cat. # E-620

MINDY-2/FAM63B is a member of a newly characterized cysteine protease family of deubiquitinases ("DUBs"). In humans, the MINDY (MIU containing novel DUB family) family has at least four members, with an additional three being MINDY-1/FAM63A, MINDY-3/FAM188A and MINDY-4/FAM188B. The catalytic domain of MINDY DUBs adopts a conformation that is distinct from other known DUB classes, and these enzymes are highly selective at cleaving K48-linked polyubiquitin chains. With a predicted molecular weight of 67 kDa, human MINDY-2 is 82% identical to both its murine and rat orthologs. This recombinant protein is untagged.

Product Information

Quantity:	50 µg
MW:	67 kDa
Source:	<i>E. coli</i> -derived human MINDY2 protein Accession # Q8NBR6
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% (v/v) Glycerol, 1 mM TCEP
Purity:	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Use & Storage

Use:	Recombinant Human MINDY-2 is a Ubiquitin-specific deconjugating enzyme that cleaves K48-linked poly-Ubiquitin chains.
Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 24 months from date of receipt, -70 °C as supplied.• 3 months, -70 °C under sterile conditions after opening.

Literature

References:

1. Abdul-Rehman S.A. et al. (2016) Mol. Cell **63**: 146
2. Kristariyanto Y.A. et al. (2017) EMBO Reports DOI 10.15252/embr.201643205

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