

Lot # XXXXX

MATERIAL DATA SHEET

MINDY-3/FAM188A, *human recombinant*

Cat. # E-621

MINDY-3/FAM188A 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-2/FAM63B 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 50 kDa, human MINDY-3 is 95% identical to both its murine and rat orthologs. This recombinant protein is untagged.

Product Information

Quantity:	25 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% (v/v) Glycerol, 2 mM TCEP
MW:	50 kDa
Source:	E. coli
Purity:	> 95% by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie Blue stain

Use & Storage

Use:	Recombinant Human MINDY-3 is a Ubiquitin-specific deconjugating enzyme that cleaves K48-linked polyubiquitin chains. MINDY-3 will not hydrolyze Ubiquitin-Rhodamine.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Abdul-Rehman SA. <i>et al.</i> (2016) <i>Mol. Cell</i> 63 : 146 Kristariyanto Y.A. <i>et al.</i> (2017) <i>EMBO Reports</i> DOI 10.15252/embr.201643205
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Rev: 7/15/2019

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