Lot # XXXXX

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MATERIAL DATA SHEET

Di-Ubiquitin/Ub2, 11-DCA-linked, *human recombinant*
Cat. # UCD-40

Dichloroacetone (DCA) forms of di-ubiquitin (Ub_2) are chemically linked via a DCA linker using cysteine introduced into the ubiquitin sequence at the appropriate residues to mimic a native isopeptide linkage. Reports have demonstrated that the DCA linkage is stable and cannot be processed by deubiquitinases. Additionally, the orientation of the two ubiquitins in DCA-linked Ub_2 is preserved in relation to di-ubiquitin containing a native isopeptide linkage. This makes DCA-linked Ub_2 useful for characterizing polyubiquitin-binding proteins in the absence of added deubiquitinase inhibitors.

Product Information

Quantity:	100 µg, lyophilized powder
Solubility:	Aqueous solutions ≥ 1 mg/ml
MW:	17 kDa
Purity:	> 95% by SDS-PAGE and HPLC

Use & Storage

Use:	Typical concentrations will depend on specific assay conditions and method of detection.
Storage:	Resuspended material at -20°C. Avoid multiple freeze/thaw cycles.

Literature

References:
Yin L., *et al.* (2000) Biochemistry **39**: 10001-10010
Messick T., *et al.* (2008) J Biol Chem. **283**: 11038-11049
Carlile, C., *et al.* (2009) J Biol Chem. **284** : 29326-29334

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840 Memorial Drive, Cambridge, MA 02139 Phone: 617-576-2210 FAX: 617-492-3565
www.bostonbiochem.com