

Lot # XXXXX

BostonBiochem[®]

An R&D Systems Company

MATERIAL DATA SHEET

CHIP/Stub1, human recombinant

Cat. # E3-220

CHIP (Carboxy terminus of Hsp70-Interacting Protein) is a U-Box ubiquitin E3 ligase that ubiquitinates and mediates the proteasomal destruction of misfolded chaperone substrates. CHIP functions in coordination with several chaperone complexes, including Hsp40, Hsp70, and Hsp90. CHIP activity may be modulated by the deubiquitinase Ataxin-3, which restricts the length of ubiquitin chains attached to CHIP substrates and prevents further chain extension. This protein contains a C-terminal 6-His tag.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (X µM) in 50 mM Hepes pH 8.0, 100 mM NaCl, 5 mM DTT, 10% glycerol
MW:	36 kDa
Purity:	> 90% by SDS-PAGE

Use & Storage

Use:	Typical enzyme concentration to support conjugation <i>in vitro</i> is 0.1-5 µM depending on experimental conditions.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Connell P., <i>et al.</i> (2001) <u>Nat. Cell Bio.</u> 3 : 93-96 Qian S.B., <i>et al.</i> (2006) <u>Nature</u> 440 : 551-555 Scaglione K.M., <i>et al.</i> (2011) <u>Mol. Cell</u> 43 : 599-612
--------------------	--

For Laboratory Research Use Only, Not For Use in Human

Rev: 11/08/2012

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

The contents of this datasheet (unless otherwise noted) are Copyright © 2008 Boston Biochem, Inc. All rights reserved. Duplication in whole or in part is strictly prohibited without the express written consent of Boston Biochem, Inc. "Boston Biochem" is a Trademark of Boston Biochem, Inc., 840 Memorial Drive, Cambridge, MA 02139.