

MATERIAL DATA SHEET**USP15, human recombinant****Cat. # E-594**

Ubiquitin carboxyl-terminal hydrolase 15 (USP15) is a specialized cysteine protease with a predicted molecular weight of 112 kDa. USP15 is a member of the peptidase C19 family and the human protein shares 98% amino acid sequence identity with its mouse ortholog. USP15 is a regulator of the TGF β signaling pathway, where it may promote signaling strength by deubiquitination of SMAD proteins and/or the TGF β R1. Other reported targets of USP15 include histone H2B, NF κ B α , MDM2 and human papillomavirus type 16 E6 protein. This recombinant protein contains a C-terminal 6-His tag.

Product Information

Quantity:	50 μ g
Stock:	X mg/ml (X μ M) in 50 mM HEPES pH 7.5, 100 mM NaCl, 10% (v/v) Glycerol, 1 mM TCEP
MW:	113 kDa
Purity:	\geq 85% by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie Blue Stain.

Use & Storage

Use:	Reaction conditions will need to be optimized for each specific application. We recommend an initial recombinant human USP15 concentration of 5-20 nM when using Ubiquitin-AMC or Ubiquitin-Rh110 substrates (U-550 , U-555)
Storage:	Store at -80 $^{\circ}$ C. Avoid multiple freeze/thaw cycles.

Literature

References:	Eichhorn P.J., <i>et al.</i> (2012) <u>Nat. Med.</u> 18 : 429-435 Long L., <i>et al.</i> (2014) <u>J. Biol. Chem.</u> 289 : 8916-8930 Voss R.M., <i>et al.</i> (2009) <u>J. Virol.</u> 83 : 8885-8892 Zou Q., <i>et al.</i> (2014) <u>Nat Immunol.</u> 15 : 562-70
--------------------	---

For Laboratory Research Use Only, Not For Use in Humans

Rev: 1/11/2016

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