

Lot # XXXXX

MATERIAL DATA SHEET

USP36, human recombinant

Cat. # E-628

Ubiquitin carboxyl-terminal hydrolase 36 (USP36) is a C19 type peptidase with a predicted molecular weight of 123 kDa. The human protein shares 72% amino acid sequence identity with its mouse ortholog. By stabilizing c-Myc and SOD2 proteins, overexpression of USP36 protects human renal HK-2 cells from ischemic apoptosis in an *in vitro* model of acute kidney injury. *In vitro*, USP36 hydrolyzes all polyubiquitin chain linkages other than K27. This recombinant protein contains a c-terminal 2x FLAG tag.

Product Information

Quantity:	25 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 300 mM NaCl, 10% (v/v) Glycerol, 1 mM TCEP
MW:	125 kDa
Source:	<i>Spodoptera frugiperda</i> (baculovirus)
Purity:	> 90% by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie Blue stain

Use & Storage

Use:	Recombinant Human USP36 is a Ubiquitin deconjugating enzyme. Reaction conditions will need to be optimized for each specific application. We recommend an initial concentration of 10-100 nM USP36 when using Ubiquitin-AMC (U-550) or Ubiquitin-Rhodamine (U-555) as a substrate.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Liu Q <i>et al.</i> (2019) <i>Biochem. Biophys. Res Comm.</i> 513 : 502 Sun X-X, Sears R.C. & Dai M-S (2015) <i>Cell Cycle</i> 14 : 3786
--------------------	---

For Laboratory Research Use Only, Not For Use in Humans

Rev: 5/29/2019

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.