

## Product datasheet for **KN202374BN**

### UBP43 (USP18) Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	UBP43
Locus ID:	11274
Components:	<p><b>KN202374G1</b>, UBP43 gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN202374G2</b>, UBP43 gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p><b>KN202374BND</b>, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p><b>GE100003</b>, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u><a href="#">NM_017414</a></u>
UniProt ID:	<u><a href="#">Q9UMW8</a></u>
Synonyms:	ISG43; UBP43
Summary:	<p>The protein encoded by this gene belongs to the ubiquitin-specific proteases (UBP) family of enzymes that cleave ubiquitin from ubiquitinated protein substrates. It is highly expressed in liver and thymus, and is localized to the nucleus. This protein efficiently cleaves only ISG15 (a ubiquitin-like protein) fusions, and deletion of this gene in mice results in a massive increase of ISG15 conjugates in tissues, indicating that this protein is a major ISG15-specific protease. Mice lacking this gene are also hypersensitive to interferon, suggesting a function of this protein in downregulating interferon responses, independent of its isopeptidase activity towards ISG15. [provided by RefSeq, Sep 2011]</p>



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## Product images:

