

# Product Datasheet

## Recombinant Human LC3B Protein H00081631-P01-2ug

Unit Size: 2 ug

Store at -80C. Avoid freeze-thaw cycles.

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**H00081631-P01-2ug**

## Recombinant Human LC3B Protein

Product Information	
<b>Unit Size</b>	2 ug
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -80C. Avoid freeze-thaw cycles.
<b>Buffer</b>	0
<b>Target Molecular Weight</b>	39.49 kDa
Product Description	
<b>Description</b>	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-125 of Human MAP1LC3B full-length ORF</p> <p><b>Source:</b> <i>Wheat Germ (in vitro)</i></p> <p><b>Amino Acid Sequence:</b>  MPSEKTFKQRRTFEQRVEDVRLIREQHPTKIPVIIERYKGEKQLPVLDKTKFLVP  DHVNMSELIKIIRRLQLNANQAFFLLVNGHSMVSVSTPISEVYESEKDEDGFLY  MVYASQETFGMKLSV</p>
<b>Gene ID</b>	81631
<b>Gene Symbol</b>	MAP1LC3B
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human. Mouse reactivity reported in scientific literature (PMID: 23242143)
<b>Immunogen</b>	Human MAP1LC3B full-length ORF ( AAH18634, 1 a.a. - 125 a.a.) recombinant protein with GST-tag at N-terminal. Sequence:MPSEKTFKQRRTFEQRVEDVRLIREQHPTKIPVIIERYKGEKQLPVLDKTKFLVPD DHVNMSELIKIIRRLQLNANQAFFLLVNGHSMVSVSTPISEVYESEKDEDGFLY MVYASQETFGMKLSV
<b>Preparation Method</b>	in vitro wheat germ expression system
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Protein Array, Immunoaffinity Purification
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunohistochemistry, Protein Array, Immunoaffinity Purification
<b>Application Notes</b>	Useful in Western Blot , Protein Array, Antibody Production and ELISA. This protein has not been tested for any functionality. This product may contain endotoxins and is not suitable for use with live cells. Use in Western Blot reported in scientific literature (PMID 24722179)

## Publications

Martinet W, Schrijvers DM, Timmermans JP et al. Immunohistochemical analysis of macroautophagy: Recommendations and limitations. *Autophagy* 2012-12-14 [PMID: 23242143]

Koukourakis MI, Giatromanolaki A, Bottini A et al. Prospective neoadjuvant analysis of PET imaging and mechanisms of resistance to Trastuzumab shows role of HIF1 and autophagy. *Br J Cancer* 2014-04-10 [PMID: 24722179]

Koukourakis MI, Kalamida D, Giatromanolaki A et al. Autophagosome Proteins LC3A, LC3B and LC3C Have Distinct Subcellular Distribution Kinetics and Expression in Cancer Cell Lines. *PLoS One* 2015-01-01 [PMID: 26378792]



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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 1 year from date of receipt.

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