

Product Datasheet

Recombinant Human LC3A GST (N-Term) Protein **H00084557-P01-10ug**

Unit Size: 10 ug

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

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H00084557-P01-10ug

Recombinant Human LC3A GST (N-Term) Protein

Product Information

Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	38.94 kDa

Product Description

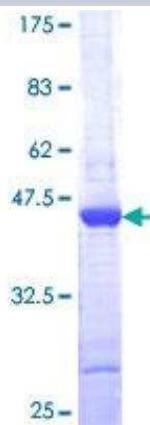
Description	Recombinant protein with GST-tag at N-terminal corresponding to the amino acids 1 - 121 of Human MAP1LC3A full-length ORF Source: <i>Wheat Germ (in vitro)</i> Amino Acid Sequence: MPSDRPFKQRRSFADRCKEVQQIRDQHPSKIPVIIERYKGEKQLPVLDKTKFLV PDHVNMSELVKIIRRQLQNPTQAFFLLVNQHSMVSVSTPIADIYEQEKD EDGFL YMVYASQETFGF
Gene ID	84557
Gene Symbol	MAP1LC3A
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details

Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array, SDS-Page, Immunoaffinity Purification
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, SDS-Page, Protein Array, Immunoaffinity Purification

Images

SDS-Page: Recombinant Human LC3A Protein [H00084557-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Korschgen H, Baeken M, Schmitt D et al. Co-chaperone BAG3 directly target autophagic degradation via its LC3-interacting regions bioRxiv 2023-02-03 (WB, PLA)

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, Zois CE, Sivridis E. LC3 immunostaining pitfalls. Histopathology. 2013-05-01 [PMID: 23530618]

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]

Giatromanolaki A, Sivridis E, Mitrakas A et al. Autophagy and lysosomal related protein expression patterns in human glioblastoma. Cancer Biol Ther. 2014-01-01 [PMID: 25482944] (Human)

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] (IF/IHC, Human)



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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