

## Recombinant Human ATG9B Protein (M1-D924), His/MBP/Flag tagged

**Cat. No.** ATG9B-0815H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human 8His-MBP-TEV-(G)-ATG9B(M1-D924 end)-Flag Protein was expressed in Mammalian cell.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | M1-D924                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | Phospholipid scramblase involved in autophagy by mediating autophagosomal membrane expansion. Cycles between the preautophagosomal structure/phagophore assembly site (PAS) and the cytoplasmic vesicle pool and supplies membrane for the growing autophagosome. Lipid scramblase activity plays a key role in preautophagosomal structure/phagophore assembly by distributing the phospholipids that arrive through ATG2 (ATG2A or ATG2B) from the cytoplasmic to the luminal leaflet of the bilayer, thereby driving autophagosomal membrane expansion. In addition to autophagy, also plays a role in necrotic cell death. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                           |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol                                                                                               |
| <b>Shipping</b>       | It is shipped out with blue ice.                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ATG9B ATG9 autophagy related 9 homolog B ( <i>S. cerevisiae</i> ) [ <i>Homo sapiens</i> (human) ]                                                                                                                                                                                                                                            |
| <b>Official Symbol</b> | ATG9B                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | ATG9B; ATG9 autophagy related 9 homolog B ( <i>S. cerevisiae</i> ); nitric oxide synthase 3 antisense, NOS3AS; autophagy-related protein 9B; APG9L2; FLJ14885; SONE; APG9-like 2; protein sONE; autophagy 9-like 2 protein; endothelial nitric oxide synthase antisense; nitric oxide synthase 3-overlapping antisense gene protein; NOS3AS; |
| <b>Gene ID</b>         | 285973                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>     | NM_173681                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Refseq</b>  | NP_775952                                                                                                                                                                                                                                                                                                                                    |
| <b>MIM</b>             | 612205                                                                                                                                                                                                                                                                                                                                       |

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