

**32-8059: Recombinant Human Autophagy Related 10 Homolog/ATG10 (C-6His, N-T7 tag)**

**Gene :** ATG10  
**Gene ID :** 83734  
**Uniprot ID :** Q9H0Y0

**Description**

Source: E.coli.  
MW :24.5kD.

Recombinant Human Autophagy protein 10 is produced by our E.coli expression system and the target gene encoding Met1-Thr190 is expressed with a T7 tag at the N-terminus, 6His tag at the C-terminus. Ubiquitin-Like-Conjugating Enzyme ATG10 (ATG10) is a ubiquitous 28kDa member of the ATG10 family protein. ATG10 acts as an E2-like enzyme, catalyzes the transfer of ATG12 to ATG5 during in the initial stages of autophagosome formation. The heterodimer of ATG5 and ATG12 subsequently associates non-covalently with an ATG16 multimer to generate an autophagosome. ATG10 plays a role in the conjugation of ATG12 to ATG5 by interaction with MAP1LC3A. In addition, ATG10 can directly interact with ATG5 or ATG7.

**Product Info**

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MASMTGGQMGGRGSMEEDEFIGKTFQRYCAEFIKHSQQIGDSWEWRPSKDCSDGYMCKIHFIKNGSVMS  
HLGASTHGQTCLPMEEAFELPLDDCEVIETAAASEVIKYEHVLYSCSYQVPVLYFRASFLDGRPLTLKDIWEGV  
HECYKMRLQLQGPWDTITQEHPILGQPFVFLHPCKTNEFMTPVLKNSQKINKNVNYITLEHHHHHHH

**Application Note**

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.