



Recombinant Protein Technical Manual

Recombinant Human ATG10 Protein (His&T7 Tag)

RPE3103

Product Data:

Product SKU: RPE3103

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9H0Y0

Protein Information:

Molecular Mass: 24.5 kDa

AP Molecular Mass: 30 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Ubiquitin-Like-Conjugating Enzyme ATG10; Autophagy-Related Protein 10; APG10-Like; ATG10

Immunogen Information:

Sequence: Met 1-Thr190

Background:

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.