

**Recombinant Human LAMP2/CD107b Protein(C-6His)**

**Cat.NO.: TP04884**

3th Edition

**Synonyms:**Lysosome-Associated Membrane Glycoprotein 2; LAMP-2; Lysosome-Associated Membrane Protein 2; CD107 Antigen-Like Family Member B; CD107b; LAMP2

**Description:**Lysosomal Associated Membrane Protein 2 (LAMP2) is a major component of lysosomal membranes. LAMP2 is a transmembrane glycoprotein about 110kDa. Mature human LAMP2 consists of a 347 amino acid (aa) intralumenal domain, a 24 aa transmembrane segment, and a 35 aa cytoplasmic tail . The lumenal domain is organized into two heavily N-glycosylated regions. Alternate splicing generates a human LAMP2 isoform (LAMP2B) with a substituted juxtamembrane lumenal region, cytoplasmic tail and transmembrane segment.LAMP2 itself can cleavage lysosomal lumenal domain and degradation lysosomal. In the help of chaperone HSC73,LAMP2 mediates the lysosomal uptake in complex with cargo proteins and is required for the lysosomal destruction of autophagic vacuoles.

**Form:**PBS

**Molecular Weight:**33.9 kDa

**Sequences:**Leu29-Ile375

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.