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Datasheet for ABIN7318715 LAMP2 Protein (His tag)



Overview

| Quantity: | 50 µg |
|-------------------------------|--|
| Target: | LAMP2 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This LAMP2 protein is labelled with His tag. |

Product Details

| Purpose: | Recombinant Human LAMP2/CD107b Protein (His Tag)(Active) |
|------------------------------|--|
| Sequence: | Leu29-Ile375 |
| Characteristics: | Recombinant Human Lysosome-Associated Membrane Glycoprotein 2 is produced by our Mammalian expression system and the target gene encoding Leu29-Ile375 is expressed with a 6His tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per μ g as determined by the LAL method. |
| Biological Activity Comment: | Immobilized Human LGALS3(Cat: PKSH032474) at 1.5µg/ml(100 µl/well) can bind Human LAMP2-His. The ED50 of Human LAMP2-His is 12.73 ug/ml . |

Target Details

| Target: | LAMP2 | |
|---------|---|--|
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| Target Details | |
|----------------------------------|---|
| Alternative Name: | LAMP2/CD107b (LAMP2 Products) |
| Background: | Background: Lysosomal Associated Membrane Protein 2 (LAMP2) is a major component of lysosomal membranes. LAMP2 is a transmembrane glycoprotein about 110 kDa. 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 luminal 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. Synonym: Lysosome-Associated Membrane Glycoprotein 2, LAMP-2, Lysosome-Associated Membrane Protein 2, CD107 Antigen-Like Family Member B, CD107b, LAMP2 |
| Molecular Weight: | 33.9 kDa |
| UniProt: | P13473 |
| Pathways: Application Details | Autophagy |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2. |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |

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