Datasheet for ABIN5711871

# CHMP5 Protein (AA 1-219, full length) (His-SUMO Tag)

Go to Product page

## 1 Image

## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | CHMP5 |
| Protein Characteristics: | full length, AA 1-219 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CHMP5 protein is labelled with His-SUMO Tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

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| Sequence: | MNRLFGKAKP KAPPPSLTDC IGTVDSRAES IDKKISRLDA ELVKYKDQIK KMREGPAKNM VKQKALRVLK QKRMYEQQRD NLAQQSFNME QANYTIQSLK DTKTTVDAMK LGVKEMKKAY KQVKIDQIED LQDQLEDMME DANEIQEALS RSYGTPELDE DDLEAELDAL GDELLADEDS SYLDEAASAP AIPEGVPTDT KNKDGVLVDE FGLPQIPAS |
| Purification: | SDS-PAGE |
| Purity: | > 90 % |

## Target Details

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| Target: | CHMP5 |
| Alternative Name: | CHMP5 (CHMP5 Products) |
| Background: | Probable peripherally associated component of the endosomal sorting required for transport |

## Target Details

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| | complex III (ESCRT-III) which is involved in multivesicular bodies (MVBs) formation and sorting of endosomal cargo proteins into MVBs. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting mbrane of the endosome and mostly are delivered to lysosomes enabling degradation of mbrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. The MVB pathway appears to require the sequential function of ESCRT-O, -I,-II and -III complexes. ESCRT-III proteins mostly dissociate from the invaginating mbrane before the ILV is released. The ESCRT machinery also functions in topologically equivalent mbrane fission events, such as the terminal stages of cytokinesis and the budding of enveloped viruses (HIV-1 and other lentiviruses). ESCRT-III proteins are believed to mediate the necessary vesicle extrusion and/or mbrane fission activities, possibly in conjunction with the AAA ATPase VPS4. Involved in HIV-1 p6- and p9-dependent virus release. |
| Molecular Weight: | 40.6 kDa |
| UniProt: | Q9NZZ3 |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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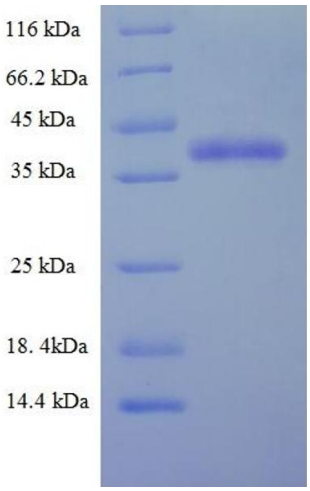
| Format: | Liquid |
| Concentration: | 0.1-2 mg/mL |
| Buffer: | 20 mM Tris-HCl based buffer, pH 8.0 |
| Storage: | -80 °C,4 °C,-20 °C |
| Storage Comment: | Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |




**SDS-PAGE**

**Image 1.**