

**VPS29, 1-182aa, Mouse, His tag, E.coli**

**Cat.NO.: TP04485**

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3th Edition

**Synonyms:** Vacuolar protein sorting 29, PEP11

**Description:** Vacuolar protein sorting 29, also known as VPS29, belongs to a group of genes coding for vacuolar protein sorting (VPS) proteins that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. It is a late Golgi transmembrane protein that acts as the sorting receptor for soluble vacuolar hydrolases, from the prevacuolar endosome back to the Golgi. Also, VPS29 may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment. Recombinant Mouse VPS29 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:** 23.2kDa (207aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMMLVLVLGDLHIPHRCNSLPAKFKLLVPGKIQHILCTGNLCTKESYDYLLKT  
LAGDVHIVRGDFDENLNYPEQKVVTVGQFKIGLIHGQVIPWGDMA SLALLQRQFDVDILISGHTHKFEAFEHENKF  
YINPGSATGAYNALETNIIPSFVLM DIQASTVVTYVYQLIGDDVKVERIEYKKS

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**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.