

VPS26A, 1-327aa, Human, His tag, E.coli

Cat.NO.: TP04482

3th Edition

Synonyms: Vacuolar protein sorting-associated protein 26A, HB58; Hbeta58; PEP8A; VPS26

Description: VPS26A, also known as vacuolar protein sorting-associated protein 26A, is essential component of the retromer complex, a complex required to retrieve lysosomal enzyme receptors (IGF2R and M6PR) from endosomes to the trans-Golgi network. Also this protein is required to regulate transcytosis of the polymeric immunoglobulin receptor (pIgR-pIgA). Recombinant human VPS26A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.15M NaCl

Molecular Weight: 40.6 kDa (350aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMFLGGFFGPICEIDIVLNDGETRKAEMKTEDGKVEKHLYFYDGESVSGKV
NLAFKQPGKRLEHQGIRIEFVGQIELFNDKSNTHFVNLVKELALPGELTQSRSYDFEFMQVEKPYESYIGANVRLR
YFLKVTIVRRLTDLVKEYDLIVHQLATYPDVNNSIKMEVGIEDCLHIEFEYNKSKYHLKDVIVGKIYFLLVRIKIQHMELQ
LIKKEITGIGPSTTTTETETIAKYEIMDGAPVKGESIPIRLFLAGYDPTPTMRDVNKKFSVRYFLNLVLVDEEDRRYFKQ
QEIILWRKAPEKLRKQRTNFHQRFESPESQASAEQPEM

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.