

VAMP7, 1-188aa, Human, His tag, E.coli

Cat.NO.: TP04452

3th Edition

Synonyms: Vesicle-associated membrane protein 7, SYBL1, TI-VAMP, TIVAMP, VAMP-7

Description: VAMP7 belongs to the synaptobrevin family. This protein is a transmembrane protein that is a member of the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family. It localizes to late endosomes and lysosomes and is involved in the fusion of transport vesicles to their target membranes. Recombinant human VAMP7 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 0.15M NaCl, 20% glycerol

Molecular Weight: 23 kDa (211aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMALFAVVARGTTILAKHAWCGGNFLEVTEQILAKIPSENNKLTYSHGNYLFH
YICQDRIVYLCITDDDFERSRAFNFLNEIKKRFQTTYGSRAQTALPYAMNSEFSSVLAQLKHSENKGLDKVMETQ
AQVDELKGMVRNIDLVAQRGERLELLIDKTENLVDSSVTFKTTSRNLARAMCMKNLK

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.