

USE1, 1-231aa, Human, His tag, E.coli

Cat.NO.: TP04442

3th Edition

Synonyms: Vesicle transport protein USE1, MDS032, P31, SLT1

Description: USE1, as known as P31, is a vesicle transport protein. This protein is a component of a SNARE complex consisting of STX18, USE1L, BNIP1/SEC20L and SEC22B. It interacts directly with STX18. SNARE may be involved in targeting and fusion of Golgi-derived retrograde transport vesicles with the ER. Recombinant human USE1 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 0.1M NaCl, 1mM DTT

Molecular Weight: 28.3kDa (254aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGMAASRLELNLVRLLSRCEAMAAEKRPDEWRLEKYVGALEDMLQALKVHA
SKPASEVINEYSWKVDFLKGMLQAEKLTSSSEKALANQFLAPGRVPTTARERVPATKTVHLQSRARYTSEMRSELL
GTDSAPEPMDVRKRTGVAGSQPVSEKQSAAEIDLVLQRHQNLQEKLAEEMGLARSLKTNTLAAQSVIKKDNQTL
SHSLKMADQNLEKLTESERLEQHTQKSVN

Purity: > 95% by HPLC

Concentration: 0.25 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.