NKMAXBio We support you, we believe in your research

Recombinant human USE1 protein

Catalog Number: ATGP2099

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-231aa

UniProt No.
Q9NZ43

NCBI Accession No.
NP_060937

Alternative Names
SNARE-like tail-anchored protein 1 homolog, USE1-like protein (USE1L), unconventional SNARE in the ER 1 homolog, p31, SLT1, MDS032, D12, USE1L

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl, 1mM DTT

Purity
> 80% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human USE1 protein

Catalog Number: ATGP2099

Amino acid Sequence

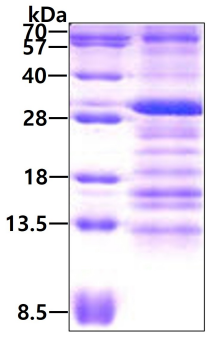
<MGSSHHHHHH SSGLVPRGSH MGS>MAASRLE LNLVRLLSRC EAMAAEKRDP DEWRLEKYVG ALEDMLQALK VHASKPASEV INEYSWKVDF LKGMLQAEKL TSSSEKALAN QFLAPGRVPT TARERVPATK TVHLQSRARY TSEMRSELLG TDSAEPEMDV RKRTGVAGSQ PVSEKQSAAE LDLVLQRHQN LQEKLAEEML GLARSLKTNT LAAQSVIKKD NQTLSHSLKM ADQNLEKLKT ESERLEQHTQ KSVN

General References

Meiringer CT. et al. (2011) J Biol Chem. 286:25039-25046
Dilcher M. et al. (2003) EMBO J. 22(14):3664-74.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.