Recombinant Human unconventional SNARE in the ER 1 homolog (S. cerevisiae), His-tagged

Cat. No. USE1-584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	USE1, 1-231aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-231 a.a.
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 Mass	28.3kDa (254aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAASRLE LNLVRLLSRC EAMAAEKRDP DEWRLEKYVG ALEDMLQALK VHASKPASEV INEYSWKVDF LKGMLQAEKL TSSSEKALAN QFLAPGRVPT TARERVPATK TVHLQSRARY TSEMRSELLG TDSAEPEMDV RKRTGVAGSQ PVSEKQSAAE LDLVLQRHQN LQEKLAEEML GLARSLKTNT LAAQSVIKKD NQTLSHSLKM ADQNLEKLKT ESERLEQHTQ KSVN

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>80% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	USE1 unconventional SNARE in the ER 1 homolog (S. cerevisiae) [Homo sapiens]
Official Symbol	USE1
Synonyms	P31; SLT1; MDS032
Gene ID	55850
mRNA Refseq	NM_018467.3
Protein Refseq	NP_060937.1
MIM	610675
UniProt ID	Q9NZ43
Chromosome Location	19p13.11
Pathway	SNARE interactions in vesicular transport, organism-specific biosystem;SNARE interactions in vesicular transport, conserved biosystem;
Function	protein binding;

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