Recombinant Human C11orf31, His-tagged

Cat. No. C11orf31-181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SELH(SC44C), 1-122aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-122aa
Description	SELH is a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3" UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. The exact function of this gene is not known, however, selenoproteins are thought to be responsible for most biomedical effects of dietary selenium. Recombinant human SELH 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, 1mM DTT.
Molecular Mass	15.8 kDa (145aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAPRGRK RKAEAAVVAV AEKREKLANG GEGMEEATVV IEHCTSCRVY GRNAAALSQA LRLEAPELPV KVNPTKPRRG

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	SFEVTLLRPD GSSAELWTGI KKGPPRKLKF PEPQEVVEEL KKYLS
Purity	>90% 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	0.5 mg/ml (determined by Bradford assay)

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