

**AR51494PU-N****Human SELH(SC44C) (1-122, His-tag) - Purified****Alternate names:**

C17orf10, SELH, Selenoprotein H

**Quantity:**

0.5 mg

**Concentration:**

0.5 mg/ml (determined by Bradford assay)

**Background:**

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.

**Uniprot ID:**[Q8IZQ5](#)**NCBI:**[NP\\_734467](#)**GeneID:**[280636](#)**Species:**

Human

**Source:**

E. coli

**Format:****State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT.**Description:**

Recombinant human SELH protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

MGSSHHHHHH SGLVPRGSH MGSMPRGRK RKAEEAVVAV AEKREKLANG GEGMEEATVV  
IEHCTSCR VY GRNAAALSQA LRLEAPELPV KVNPTKPRRG SFEVTLRLPD GSSAELWTGI  
KKGPPRKLKF PEPQEVVEEL KKYLS

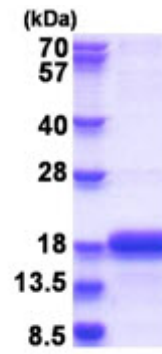
**Molecular weight:** 15.8 kDa (145aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**General Readings:**

Panee J, Stoytcheva ZR, et al. (2007). J Biol Chem. 282(33):23759-65. Novoselov SV, Kryukov GV, et al. (2007). J Biol Chem. 282(16):11960-8.

Pictures:



15% SDS-PAGE (3ug)