

Product information



SELH(SC44C), 1-122aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2674

Full name: Selenoprotein H

NCBI Accession No.: NP_734467

Synonyms: C17orf10, SELH

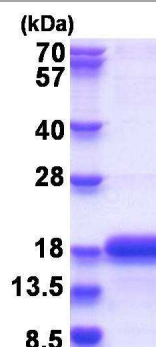
Description: SELH is a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenoprotein genes have a common stem-loop structure, the sec insertion sequence (SECIS), 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 Weight: 15.8 kDa (145aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MGSMA PRGRK RKA EAAVAV AEKREKLANG GEGMEEATVW IEHCTSCR VY GRNAAALSQA LRLEAPELPV
KVNPTKPRRG SFEVTL LRPD GSSAELWTGI KKGPPRKLKF PEPQEVVEEL KKYLS

General references:

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.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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