

32-3362: C11ORF31 Recombinant Protein

Alternative Name : Chromosome 11 Open Reading Frame 31,Selenoprotein H,SELH,C17orf10,C11orf31.

Description

Source : Escherichia Coli. C11ORF31 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 145 amino acids (1-122) and having a molecular mass of 15.8 kDa.C11ORF31 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. C11ORF31 (Chromosome 11 Open Reading Frame 31) is a selenoprotein, which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon which ordinarily signals translation termination. The 3' UTR of selenoprotein genes have a mutual stem-loop structure, the sec insertion sequence (SECIS), which is essential for the recognition of UGA as a Sec codon rather than as a stop signal. The exact function of the C11ORF31 gene is not known, however, selenoproteins are assumed to be responsible for most biomedical effects of dietary selenium. C11ORF31 is involved in a redox-related process.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The C11ORF31 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMAPRGRK RKAEEAVVAV AEKREKLANG GEGMEEATVV IEHCTSCR VY GRNAAALSQA LRLEAPLPV KVNPTKPRRG SFEVTLLRPD GSSAELWTGI KKGPPRKLKF PEPQEVVEEL KKYLS.

