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32-4802: Recombinant Human Selenoprotein W 1

Alternative Name : Selenoprotein W,1,SelW,Selenoprotein W.

Description

Source : Escherichia Coli. SEPW1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 110 amino acids (1-87 a.a) and having a molecular mass of 11.8kDa. SEPW1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Selenoprotein W 1, also known as SEPW1 is a selenoprotein, which has a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded through the UGA codon which normally signals translation termination. The 3' UTR of selenoprotein genes share a common stem-loop structure, the sec insertion sequence (SECIS), which is essential for the recognition of UGA as a Sec codon instead of as a stop signal. SEPW1 shows highest expression in skeletal muscle and heart, and also involved in oxidation-reduction reactions.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	SEPW1 protein solution (0.25mg/ml) containing 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 MGSMALAVRV VYCGACGYKS KYLQLKKKLE DEFPGRLDIC GEGTPQATGF FEVMVAGKLI HSKKKGDGYV DTESKFLKLV AAIKAALAQG.

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