9051 Mira Mesa Blvd, #910094
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SEPW1 Human

Selenoprotein W 1 Human Recombinant
RCP2030

Product Overview

Name	SEPW1 Human
Description	
Selenoprotein W 1 Human Recombinant	
Accession (Primary)	P63302
Synonyms	
Selenoprotein W, 1, SelW, Selenoprotein W.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
SEPW1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MALAVRV VYCGACGYKS KYLQLKKKLE DEFPGRLDIC GEGTPQATGF FEVMVAGKLI HSKKKGDGYV DTESKFLKLV AAIKAALAQG.	
Precautions	

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SEPW1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P63302)