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32-4798: Recombinant Human 15 KDa Selenoprotein

Alternative Name : 15 KDa Selenoprotein,SEP15.

Description

Source : Escherichia Coli. SEP15 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 160 amino acids (29-165 a.a) and having a molecular mass of 17.7kDa.SEP15 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 15 KDa Selenoprotein (SEP15) is a protein-coding gene which contains a selenocysteine (Sec) residue at its active site. The selenocysteine is encoded by the UGA codon that usually signals translation termination. The 3' UTR of selenoprotein genes have a conventional stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Studies in mouse propose that this selenoprotein may have redox function and may be implicated in the quality control of protein folding. This gene is localized on chromosome 1p31, a genetic locus usually mutated or deleted in human cancers.Diseases associated with SEP15 include lung cancer susceptibility, and chronic lymphocytic leukemia.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	SEP15 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% 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 MGSVSAFGAE FSSEACRELG FSSNLLCSSC DLLGQFNLLQ LDPDCRGCCQ EEAQFETKKL YAGAILEVCG CKLGRFPQVQ AFVRSDKPKL FRGLQIKYVR GSDPVLKLLD DNGNIAEELS ILKWNTDSVE EFLSEKLERI