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# SEP15 Human

*15 KDa Selenoprotein Human Recombinant*
*RCP2025*

## Product Overview

| | |
|---|---|
| Name | SEP15 Human |
| **Description** | |
| 15 KDa Selenoprotein Human Recombinant | |
| Accession (Primary) | O60613 |
| **Synonyms** | |
| 15 KDa Selenoprotein, SEP15. | |
| **Introduction** | |
| 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. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered clear solution. | |
| **Formulation** | |
| SEP15 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% 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 VSAFGAE FSSEACRELG FSSNLLCSSC DLLGQFNLLQ LDPDCRGCCQ | |

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EEAQFETKKL YAGAILEVCG CKLGRFPQVQ AFVRSDKPKL FRGLQIKYVR GSDPVLKLLD DNGNIAEELS ILKWNTDSVE EFLSEKLERI

**Precautions**

SEP15 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( O60613 )