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# 32-5175: Recombinant Human Ubiquitin

**Alternative Name :** Ubiquitin,Ribosomal Protein S27a,CEP80,UBA80,UBCEP1,UBCEP80,HUBCEP80,RPS27A.

## Description

Source : Escherichia Coli. Ubiquitin Human Recombinant expressed in E.coli and purified by ion-exchange chromatography, contains 76 amino acids and has an Mw of 8.6kDa. RPS27A is a small protein composed of 76 amino acids. RPS27A is found only in eukaryotic organisms among which shows strong sequence conservation. The RPS27A protein is present in all cell types, thus giving rise to its name.RPS27A is found either in free form or conjugated to proteins through a covalent bond between the glycine at the C-terminal end and the side chains of lysine.The connection of multiple copies of RPS27A targets the proteins for degradation by the 26S proteosome. RPS27A ligation is an ATP-dependent multi-step process. RPS27A is activated by the E1 enzyme. The attachment of RPS27A to the target protein is catalyzed by the E2 enzyme acting in concert with E3 which is involved in the recognition of the substrate protein.

## Product Info

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|---|---|
| **Amount :** | 50 µg |
| **Purification :** | Greater than 95% as estimated by SDS-PAGE. |
| **Content :** | 1mg/ml containing 50mM HEPES (pH7.5) 150mM NaCl and 10% glycerol. |
| **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 :** | MQIFVKTLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN IQKESTLHLV LRLRGG. |

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***