



Product Datasheet

Product Name	Ubiquitin Human Recombinant
Cata No	CB500935
Source	<i>Escherichia Coli.</i>
Synonyms	Ubiquitin, Ribosomal Protein S27a, CEP80, UBA80, UBCEP1, UBCEP80, HUBCEP80, RPS27A.

Description

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 proteasome. 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. Ubiquitin Human Recombinant expressed in *Escherichia coli* and purified by ion-exchange

chromatography.

Physical Appearance

Sterile Filtered solution.

Purity

Greater than 95% as estimated by analysis of Coomassie blue stained SDS-PAGE.

Formulation

1mg/ml containing 50mM HEPES (pH7.5) 150mM NaCl, 1mM DTT and 10% glycerol.

Stability

Store at -20°C if intended use is longer than 1 week, store at 4°C for a period up to 1 week.

Please avoid freeze thaw cycles.

Sequence

MQIFVKTLTG KTITLEVEPS DTIENVKAKI
QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN
IQKESTLHLV LRLRGG