

Recombinant Human Ribosomal Protein S27a, GST-Tagged

Cat. No. RPS27A-4666H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ubiquitin Human Recombinant GST Tag full length protein is produced in E.Coli, having a molecular weight of 35kDa (determined by SDS gel electrophoresis).
Species	Human
Source	Human
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.
Form	The Ubiquitin protein solution contains 50mM Tris-Acetate, pH-7.5, 1mM EDTA and 20% Glycerol.
Physical Appearance	Sterile Filtered solution.
Storage	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.

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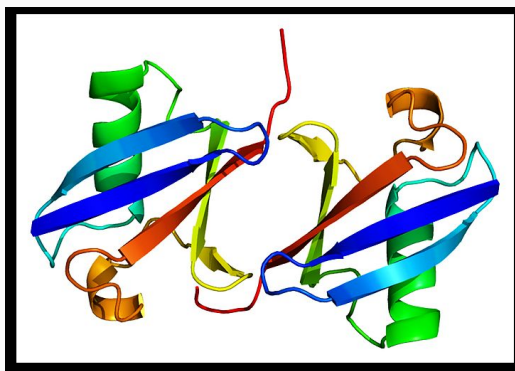
Pathways	Ribosome; Gene Expression; Influenza Infection; Metabolism of proteins
Full Length	Full L.
GENE INFORMATION	
Gene Name	RPS27A ribosomal protein S27a [Homo sapiens]
Official Symbol	RPS27A
Synonyms	RPS27A; ribosomal protein S27a; CEP80; UBA80; UBCEP1; UBCEP80; HUBCEP80; ubiquitin and ribosomal protein S27a; ubiquitin-CEP80; OTTHUMP00000200786; 40S ribosomal protein S27a; ubiquitin carboxyl extension protein 80
Gene ID	6233
mRNA Refseq	NM_001135592
Protein Refseq	NP_001129064
MIM	191343
UniProt ID	P62979
Chromosome Location	2p16
Function	metal ion binding; structural constituent of ribosome; zinc ion binding

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