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## Product Data Sheet

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Product Name: RSU1 Human  
 Cat. No.: GP24451  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ras Suppressor Protein 1; Rsu-1; RSP-1; Ras Suppressor Protein 1 Variant 1; Ras Suppressor Protein 1 Variant 2; Ras Suppressor Protein 1 Variant 3; RSP1; RSU1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSKSLKK LVEESREKNQ PEVDMSDRGI SNMLDVNGLF TLSHITQLVL SHNKLTMVPP NIAELKNLEV LNFFNNQIEE LPTQISSLQK LKHLNLGMNR LNTLPRGFGS LPALEVLDLT YNNLSENSLP GNFFYLTTLR ALYLSDNDFE ILPPDIGKLT KLQILSLRDN DLISLPKEIG ELTQLKELHI QGNRLTVLPP ELGNLDTGQ KQVFKAENNP WVTPIADQFQ LGVSHVFEYI RSETYKYLYG RHMQANPEPP KKNNDKSKKI SRKPLAAKNR.		
Formulation	The RSU1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

RSU1 is a protein which is involved in the ras signal transduction pathway, growth inhibition, and nerve-growth factor induced differentiation processes, as has been established in mouse and human cell line studies. In mouse, RSU1 was originally isolated based on its ability to inhibit v-Ras transformation. RSU1 possibly has a role in the Ras signal transduction pathway. RSU1 is also capable of suppressing v-Ras transformation in vitro.

### 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.

### Background

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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RSU1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 300 amino acids (1-277) and having a molecular mass of 33.9 kDa. RSU1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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