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## Product Data Sheet

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Product Name: SUFU Human  
 Cat. No.: GP24747  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Suppressor of fused homolog; SUFUH; SUFU; UNQ650/PRO1280; SUFUXL; PRO1280.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAELRPSGAP GPTAPPAPGP TAPPAFASLF PPGLHAIYGE CRRLYPDQPN PLQVTAIVKY WLGGPDPLDY VSMYRNVGSP SANIPEHWHY ISFGLSDLYG DNRVHEFTGT DGPSGFGFEL TFRLKRETGE SAPPTWPAEL MQGLARYVFQ SENTFCSGDH VSWHSPLDNS ESRIQHMLLT EDPQMQPVQT PFGVVTFLOI VGVCTEELHS AQQWNGQGIL ELLRTVPIAG GPWLITDMRR GETIFEIDPH LQERVDKIE TDGSNLSGVS AKCAWDDLRS PPEDEDSRS ICIGTQPRRL SGKDEQIRE TLRRGLEINS KVLPPINPQ RQNGLAHDRA PSRKDSLESD SSTAIPHEL IRTQLESVH LKFNQESGAL IPLCLRGRLL HGRHFTYKSI TGDMAITFVS TGVEGAFATE EHPYAAHGPW LQILLTEEFV EKMLELDEL TSPEEFKLPK EYSWPEKCLK VSILPDVVFD SPLH.		
Formulation	SUFU protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 50mM NaCl.		

### Introduction

Suppressor of fused homolog (SUFU) is a member of the SUFU family. SUFU is a negative regulator of the hedgehog signaling pathway. SUFU interacts with GLI1, GLI3 and PEX26. Defects in the SUFU gene are a cause of medulloblastoma.

### 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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SUFU Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 504 amino acids (1-484 a.a.) and having a molecular mass of 56.1kDa. SUFU is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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