

## SUFU Human

**Description:** 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.

**Catalog #:** PRPS-945

For research use only.

**Synonyms:** Suppressor of fused homolog, SUFUH, SUFU, UNQ650/PRO1280, SUFUXL, PRO1280.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MAELRPSGAP GPTAPPAPGP  
TAPPASFSLF PPGLHAIYGE CRRLYPDQPN PLQVTAIVKY WLGGPDPLDY VSMYRNVGSP  
SANIPEHWHY ISFGLSDLYG DNRVHEFTGT DGPSGFGFEL TFRKRETGE SAPPTWPAEL  
MQGLARYVFQ SENTFCSGDH VSWHSPLDNS ESRIQHMLLT EDPQMOPVQT PFGVVTFLLQI  
VGVCTEELHS AQ

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

SUFU protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 50mM NaCl.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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