

SF3B14 Human

Description: SF3B14 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 145 amino acids (1-125a.a.) and having a molecular mass of 16.7kDa. The SF3B14 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-112

For research use only.

Synonyms: Pre-mRNA branch site protein p14, SF3b 14 kDa subunit, SF3B14, CGI-110, HSPC175, HT006, P14, SAP14, SF3B14a.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAMQAAKRAN IRLPPEVNRI
LYIRNLPYKI TAEEMYDIFG KYGPIRQIRV GNPETRGTA YVVYEDIFDA KNACDHLSGF
NVCNRYLVVL YYNANRAFQK MDTKKKEEQL KLLKEKYGIN TDPPK.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The SF3B14 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 30% glycerol.

Stability:

SF3B14 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent 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:

SF3B14 is a 125 amino acid nuclear protein which is a component of the splicing factor 3b complex. Splicing factor 3b is involved with s with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. SF3B14 which is required for the splicing of pre-mRNA enters the spliceosome and connect with the pre-mRNA branch site facilitating the interaction of snRNP with the branch sites of U2 and U12 of the 17S U2 and the 18S U11/U12 snRNP complex.

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