

## 32-4829: Recombinant Human Splicing Factor 3B, 14 kDa Subunit

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The SF3B14 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT, 1mM EDTA and 30% glycerol.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MAMQAAKRAN IRLPPEVNRI LYIRNLPHYKI TAEEMYDIFG KYGPIRQIRV GNPETRGTA YVYEDIFDA KNACDHLSGF NVCNRYLVVL YYNANRAFQK MDTKKKEEQL KLLKEYGIN TDPPK.