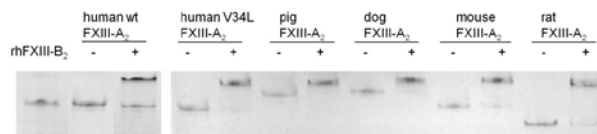


Product number **T050**
 Revision number **RN2.4**

Product Name Human blood coagulation Factor XIII B subunit (hFXIII B)
Synonym Recombinant Fibrin stabilizing factor B subunit
Source Recombinantly produced in insect cells
Quantity 200 µg
Purity > 95% [by SDS-PAGE]
Molecular Weight 80 kDa (monomer)
Description Recombinant human Factor XIII B subunit is a carrier protein for blood coagulation Factor XIII A subunit. Factor XIII B subunit is a typical mosaic protein and consists of 10 tandem repeats, called “sushi”-domains. Its function is to protect Factor XIII A subunit from slow spontaneous activation and clearance.
Application Factor XIII B subunit is a carrier protein. The recombinantly expressed protein is able to form a heterotetrameric complex with recombinant Factor XIII A from human, as well as the analogous proteins from pig, dog, mouse, and rat as shown by native PAGE below (Heil et al., 2013). Accordingly, the protein may be used for biochemical studies understanding the physiological function of FXIII, for example determination of the binding constant between Factor XIII A and B subunit (Katona et al., 2014).



Reagents The recombinant human Factor XIII B subunit is lyophilized from 20 mM Tris-HCl pH 7.5, 150 mM NaCl, 1 mM EDTA.
Appearance White lyophilized solid.
Reconstitution Add the volume of H₂O the protein is lyophilized from (see Certificate of Analysis) to the vial of lyophilized powder. Rotate vial gently until solid dissolves. After reconstitution the solution should be stored frozen in working aliquots. Keep cooled on ice for short term storage.
Storage Store at -20 °C in working aliquots. Repeated freezing and thawing is not recommended.

Delivery is possible at ambient temperature

Related products
 T027 Human blood coagulation Factor XIII, recombinant (hFXIII, A subunit)
 T007 Coagulation factor XIII, purified from human plasma
 A101 FXIII-Assay Substance, Abz-NE(CAD-DNP)EQVSPLTLK-OH
 F001 FXIII-Assay Kit
 K003 K9-DON
 A016 Polyclonal antibody to human blood coagulation factor XIII (A-subunit)

Reference(s) Böhm et al., J. Med. Chem. 2014, 57:10355-65; Heil et al., Thromb. Res., 2013, 131, e214–e22; Katona et al., Blood, 2014, 123, 1757-63

Release date 10 August 2015

NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.