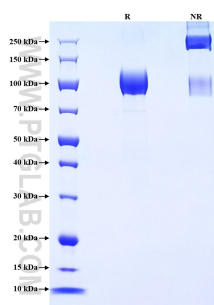


Recombinant Human CD117/c-kit protein (rFc Tag)

Catalog Number: Eg1992

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Human CD117 protein Gln26-Thr516 (Accession# P10721-2) with a rabbit IgG Fc tag at the C-terminus. GeneID: 3815 Accession: P10721-2 Predicted Molecular Mass: 81.5 kDa SDS-PAGE: 85-125 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	CD117, also known as c-Kit and SCFR, is a transmembrane protein with tyrosine kinase activity encoded by the oncogene c-kit. It is a member of the type III receptor tyrosine kinase family, which also includes CSF-1R, PDGFR β, PDGFR α, and FLT3. CD117 is expressed on hematopoietic stem cells and progenitor cells, mast cells, and is also found in a wide range of non-haemopoietic cell types (including melanocytes, germ cells, astrocytes, renal tubules, breast glandular epithelial cells, sweat glands, and interstitial cells of Cajal). CD117 plays an important role in early hemopoiesis. It is also involved in pigmentation, fertility, gut movement, and some aspects of the nervous system.		
References	1. Y Yarden, et al. (1987). EMBO J. 6(11):3341-51. 2. Brittni M Foster, et al. (2018). Biomedicines. 6(1):31. 3. L K Ashman, et al. (1999). Int J Biochem Cell Biol. 31(10):1037-51. 4. Johan Lennartsson, et al. (2012). Physiol Rev. 92(4):1619-49.		
Synonyms	CD117, KIT, C Kit, c-Kit, EC:2.7.10.1		

Selected Validation Data



Purity of Recombinant Human CD117 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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