PRODUCT INFORMATION

Target	PDGF-BB
Synonyms	PDGFBB;PDGF-BB
Description	Recombinant Human Platelet-Derived Growth Factor BB is produced by our E.coli expression system and the target gene encoding Ser82-Thr190 is expressed.
Delivery	In Stock
Uniprot ID	P01127
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	12.42 KDa
Purity	Greater than 98% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of 20mM NaAc-HAc, pH 4.5.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	Platelet-Derived Growth Factor Subunit B (PDGFB) belongs to the PDGF/VEGF growth factor family. Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. PDGFB can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma.Binding of PDGFB to its receptor elicits a variety of cellular responses. In addition, PDGFB is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound.
Usage	Research use only
Conjugate	Unconjugated

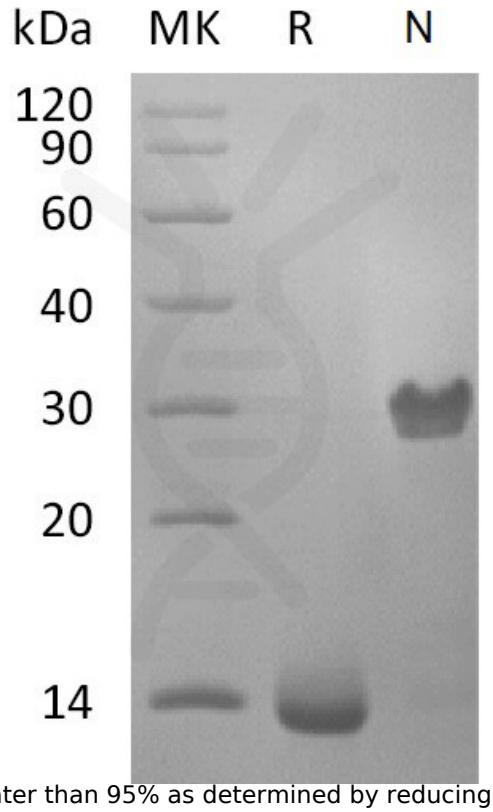

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.