PRODUCT INFORMATION

Target	FGF-8b
Synonyms	Fibroblast growth factor 8;Androgen-induced growth factor;Heparin-binding growth factor 8;AIGF;HBGF-8;FGF-8B
Description	Recombinant Human/Mouse Fibroblast Growth Factor 8B is produced by our E.coli expression system and the target gene encoding Gln23-Arg215 is expressed.
Delivery	In Stock
Uniprot ID	P55075-3/P37237-2
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	22.5 KDa
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
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	Fibroblast growth factor 8 (FGF-8) is a member of the fibroblast growth factor family. It is discovered as a growth factor essential for the androgen–dependent growth of mouse mammary carcinoma cells. Mouse FGF-8b shares 100% aa identity with human FGF-8b. FGF-8 is widely expressed during embryogenesis, and mediates epithelial–mesenchymal transitions. It plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. It is required for normal brain, eye, ear, limb development during embryogenesis and normal development of the gonadotropin-releasing hormone (GnRH) neuronal system.
Usage	Research use only
Conjugate	Unconjugated

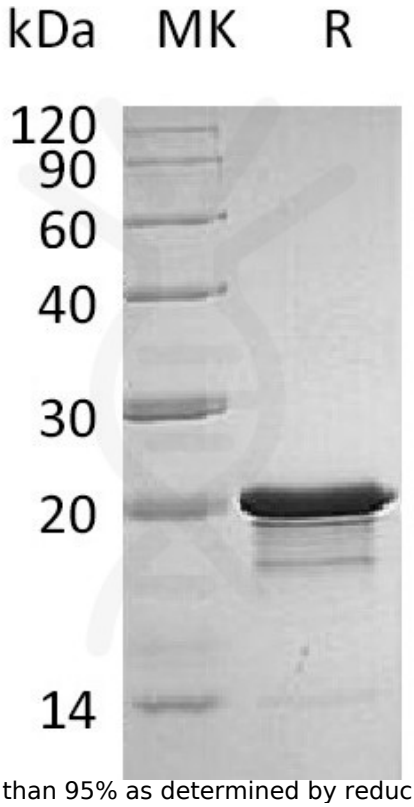

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

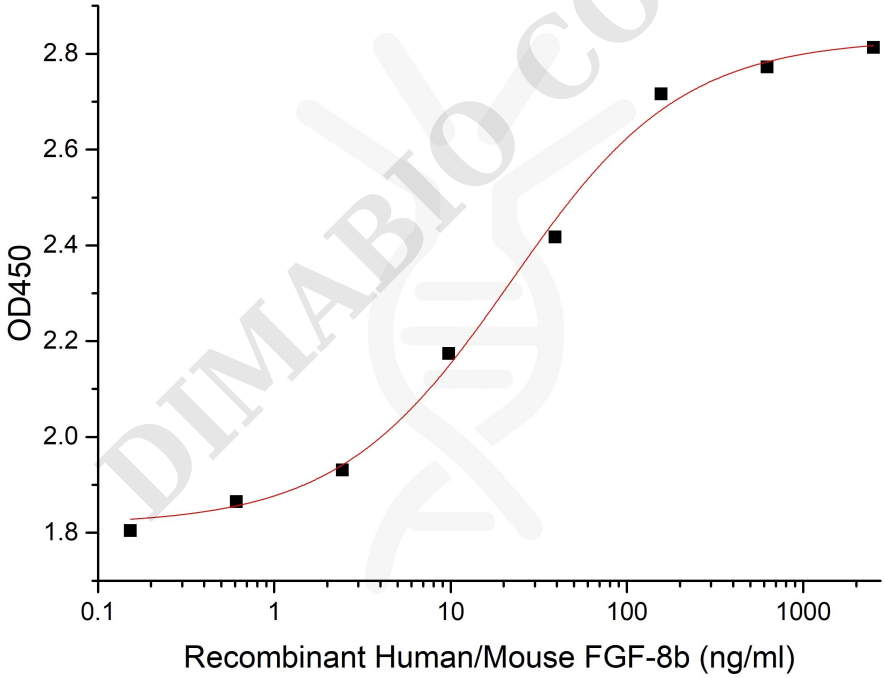

Figure 2. Measured in a cell proliferation assay using BALB/c 3T3 cells. The ED50 for this effect is 21.87 ng/ml.