

## Vitamin D-binding protein Recombinant Protein | VDBP recombinant protein

Recombinant Human Vitamin D-binding protein

CATALOG #  
**AAA116201**

HOST  
**E Coli**

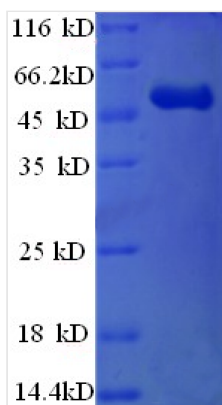
### PRODUCT SYNONYMS

Vitamin D-binding protein; Recombinant Human Vitamin D-binding protein; c-Fos-induced growth factor; FIGF; VDBP recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                  |
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| Host                    | E Coli                                                                                                                                                                                                                                                                                           |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                        |
| Form/Format             | Liquid containing glycerol                                                                                                                                                                                                                                                                       |
| Sequence Positions      | 19-474                                                                                                                                                                                                                                                                                           |
| Sequence                | RGRDYEKNKV CKEFSLHGKE DFTSLSLVLY SRKFPSGTFE QVSQLVKEVV SLTEACCAEG ADPDCYDTRT<br>SALSAKSCES NSPFPVHPGT AECCTKEGLE RKLCAALKH QPQEFPTYVE PTNDEICEAF RKDPKEYANQ<br>FMWEYSTNYG QAPLSLLVSY TKSYSMLVGS CCTSASPTVC FLKERLQLKH LSLLTTLSNR VCSQYAAYGE<br>KKSRLSNLIK LAQKVPTADL EDVLPLAEDI TNILSKCCES ASEDC |
| Sequence Length         | 354                                                                                                                                                                                                                                                                                              |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                                                                           |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for VDBP recombinant protein | Growth factor active in angiogenesis, lymphangiogenesis and endothelial cell growth, stimulating their proliferation and migration and also has effects on the permeability of blood vessels. May function in the formation of the venous and lymphatic vascular systems during embryogenesis, and also in the maintenance of differentiated lymphatic endothelium in adults. Binds and activates VEGFR-2 (KDR/FLK1) and VEGFR-3 (FLT4) receptors. |
| Product Categories/Family for VDBP recombinant protein   | Cancer                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| References | <p>Molecular cloning of a novel vascular endothelial growth factor, VEGF-D.Yamada Y., Nezu J., Shimane M., Hirata Y.Genomics 42:483-488(1997) Human FIGF cloning, gene structure, and mapping to chromosome Xp22.1 between the FIGA and the GRPR genes.Rocchigiani M., Lestingi M., Luddi A., Orlandini M., Franco B., Rossi E., Ballabio A., Zuffardi O., Oliviero S.Genomics 47:207-216(1998) Vascular endothelial growth factor D (VEGF-D) is a ligand for the tyrosine kinases VEGF receptor 2 (Flk1) and VEGF receptor 3 (Flt4) .Achen M.G., Jeltsch M., Kukk E., Maekinen T., Vitali A., Wilks A.F., Alitalo K., Stackner S.A.Proc. Natl. Acad. Sci. U.S.A. 95:548-553(1998) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahara K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004)</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                    |
|----------------------------------|--------------------------------------------------------------------|
| NCBI GI #                        | 4758378                                                            |
| NCBI GeneID                      | 2277                                                               |
| NCBI Accession #                 | NP_004460.1                                                        |
| NCBI GenBank Nucleotide #        | NM_004469.4                                                        |
| UniProt Accession #              | O43915; B2R7Z3                                                     |
| Molecular Weight                 | 55kD                                                               |
| NCBI Official Full Name          | vascular endothelial growth factor D preproprotein                 |
| NCBI Official Synonym Full Names | c-fos induced growth factor (vascular endothelial growth factor D) |
| NCBI Official Symbol             | FIGF                                                               |
| NCBI Official Synonym Symbols    | VEGFD; VEGF-D                                                      |
| NCBI Protein Information         | vascular endothelial growth factor D                               |
| UniProt Protein Name             | Vascular endothelial growth factor D                               |
| UniProt Gene Name                | FIGF                                                               |
| UniProt Synonym Gene Names       | VEGFD; VEGF-D; FIGF                                                |
| UniProt Entry Name               | VEGFD_HUMAN                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.