# Mouse VGF Nerve Growth Factor Inducible (VGF) ELISA Kit | VGF elisa kit

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| CATALOG # | REACTIVITY |
|---|---|
| **AAA139022** | **Mouse** |

## PRODUCT SYNONYMS

VGF Nerve Growth Factor Inducible (VGF); Mouse VGF Nerve Growth Factor Inducible (VGF) ELISA Kit; NERP1; NERP2; Neuro-Endocrine Specific Protein VGF; Neuroendocrine Regulatory Peptide; VGF elisa kit

## PRODUCT SPECIFICATIONS

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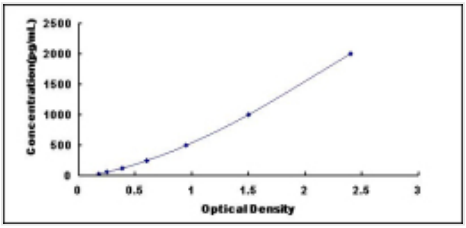
| **Reactivity** | Mouse |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of VGF Nerve Growth Factor Inducible (VGF). No significant cross-reactivity or interference between VGF Nerve Growth Factor Inducible (VGF) and analogues was observed. |
| **Sequence Length** | 615 |
| **Assay Type** | Double-antibody Sandwich |
| **Samples** | Serum, Plasma, Tissue homogenates and other biological fluids |
| **Detection Range** | 31.2-2000pg/mL |
| **Sensitivity** | 12.7pg/mL |
| **Application** | Enzyme-linked immunosorbent assay for Antigen Detection. |
| **Intra-assay Precision (Precision within an assay)** | 3 samples with low, middle and high level VGF Nerve Growth Factor Inducible (VGF) were tested 20 times on one plate, respectively. |
| **Inter-assay Precision (Precision between assays)** | 3 samples with low, middle and high level VGF Nerve Growth Factor Inducible (VGF) were tested on 3 different plates, 8 replicates in each plate. |
| **CV(%) =** | SD/meanX100 |
| **Intra-Assay** | CV<10% |
| **Inter-Assay** | CV<12% |
| **Preparation and Storage** | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

## IMAGES




**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for VGF elisa kit** | The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to VGF Nerve Growth Factor Inducible (VGF). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to VGF Nerve Growth Factor Inducible (VGF). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain VGF Nerve Growth Factor Inducible (VGF), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of VGF Nerve Growth Factor Inducible (VGF) in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
| **Product Categories/Family for VGF elisa kit** | Metabolic pathway; Infection immunity; Neuroscience |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 119570586 |
| **NCBI GeneID** | 7425 |
| **UniProt Accession #** | O15240; Q9UDW8 |
| **Molecular Weight** | 67,258 Da |
| **NCBI Official Full Name** | VGF nerve growth factor inducible |
| **NCBI Official Synonym Full Names** | VGF nerve growth factor inducible |
| **NCBI Official Symbol** | VGF |
| **NCBI Official Synonym Symbols** | SCG7; SgVII |
| **NCBI Protein Information** | neurosecretory protein VGF |
| **UniProt Protein Name** | Neurosecretory protein VGF |
| **UniProt Gene Name** | **VGF** |
| **UniProt Synonym Gene Names** | NERP-1; NERP-2 |
| **UniProt Entry Name** | VGF_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.

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Online datasheet: https://www.aaabiotech.com/mouse-elisa-kits/vgf-nerve-growth-factor-inducible-vgf/139022