# Human Splicing Factor Proline And Glutamine Rich (SFPQ) RTU ELISA Kit | SFPQ rtu elisa kit

Human Splicing Factor Proline And Glutamine Rich (SFPQ) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA219666** | **Human** |

## PRODUCT SYNONYMS

Splicing Factor Proline And Glutamine Rich (SFPQ); Human Splicing Factor Proline And Glutamine Rich (SFPQ) ELISA Kit; Polypyrimidine tract-binding protein-associated-splicing factor(PSF;PTB-associated-splicing factor); 100 kDa DNA-pairing protein(hPOMp100); DNA-binding p52/p100 complex; 100 kDa subunit; SFPQ rtu elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Human |
| **Specificity** | This assay has high sensitivity and excellent specificity for detection of SFPQ. No significant cross-reactivity or interference between SFPQ and analogues was observed. |
| **Sequence Length** | 707 |
| **Assay Type** | Quantitative Sandwich |
| **Samples** | Human serum, plasma, tissue homogenates or other biological fluids |
| **Detection Range** | 0.156-10ng/mL |
| **Sensitivity** | < 0.051ng/mL |
| **Intra-assay Precision** | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SFPQ were tested 20 times on one plate, respectively. Intra-Assay: CV<10% |
| **Inter-assay Precision** | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level SFPQ were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| **Preparation and Storage** | Stable for 12 months. |

## IMAGES

**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for SFPQ rtu elisa kit** | Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to SFPQ. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to SFPQ. 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 SFPQ, 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 SFPQ in the samples is then determined by comparing the O.D. of the samples to the standard curve.<br><br>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of SFPQ in human serum, plasma, tissue homogenates or other biological fluids. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 4826998 |
| **NCBI GeneID** | 6421 |
| **NCBI Accession #** | NP_005057.1 |
| **NCBI GenBank Nucleotide #** | NM_005066.2 |
| **UniProt Accession #** | P23246; P30808; Q5SZ71 |
| **Molecular Weight** | 72,263 Da |
| **NCBI Official Full Name** | splicing factor, proline- and glutamine-rich |
| **NCBI Official Synonym Full Names** | splicing factor proline and glutamine rich |
| **NCBI Official Symbol** | SFPQ |
| **NCBI Official Synonym Symbols** | PSF; POMP100; PPP1R140 |
| **NCBI Protein Information** | splicing factor, proline- and glutamine-rich |
| **UniProt Protein Name** | Splicing factor, proline- and glutamine-rich |
| **UniProt Gene Name** | **SFPQ** |
| **UniProt Synonym Gene Names** | PSF; PSF1 PublicationManual assertion based on opinion iniRef.1; PTB-associated-splicing factor |

**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://stage.aaabiotech.com/human-rtu-elisa-kits/splicing-factor-proline-and-glutamine-rich-sfpq/219666