# Human Heat Shock 70kDa Protein 5 (HSPA5) ELISA Kit | HSPA5 elisa kit

Human Heat Shock 70kDa Protein 5 (HSPA5) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA41833** | **Human** |

## PRODUCT SYNONYMS

Heat Shock 70kDa Protein 5 (HSPA5); Human Heat Shock 70kDa Protein 5 (HSPA5) ELISA Kit; HSPA5 elisa kit

## PRODUCT SPECIFICATIONS

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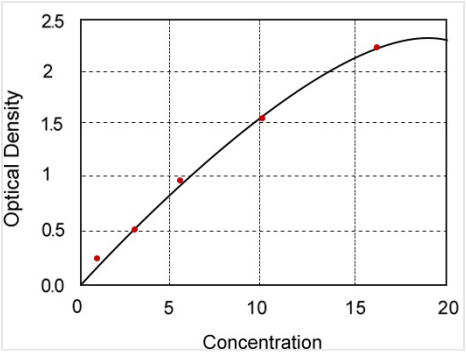
| **Reactivity** | Human |
| **Sequence Length** | 655 |
| **Samples** | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| **Assay Type** | Quantitative Sandwich |
| **Detection Range** | 0.05ng/ml - 15ng/ml |
| **Sensitivity** | 0.022ng/ml |
| **Intra-Assay** | CV<8% |
| **Inter-Assay** | CV<10% |
| **Preparation and Storage** | Store at 2 to 8 degree C for 6 months. |

## IMAGES




**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for HSPA5 elisa kit** | Intended Uses: This sandwich kit is for the accurate quantitative detection of human Heat Shock 70Kda Protein 5 (also known as HSPA5) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.<br><br>Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human HSPA5 antibody. HSPA5 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human HSPA5 Antibody is added and binds to HSPA5 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated HSPA5 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human HSPA5. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 86577744 |
| **NCBI GeneID** | 3309 |
| **UniProt Accession #** | P11021; Q2EF78; Q9NPF1; Q9UK02; B0QZ61 |
| **Molecular Weight** | 72,333 Da |
| **NCBI Official Full Name** | HSPA5 protein |
| **NCBI Official Synonym Full Names** | heat shock protein family A (Hsp70) member 5 |
| **NCBI Official Symbol** | HSPA5 |
| **NCBI Official Synonym Symbols** | BIP; MIF2; GRP78; HEL-S-89n |
| **NCBI Protein Information** | endoplasmic reticulum chaperone BiP |
| **UniProt Protein Name** | Endoplasmic reticulum chaperone BiP |
| **UniProt Gene Name** | **HSPA5** |
| **UniProt Synonym Gene Names** | GRP781 PublicationManual assertion based on opinion iniRef.1; GRP-781 PublicationManual assertion based on opinion iniRef.1; BiP1 PublicationManual assertion based on opinion iniRef.4; HSP70 family protein 5Curated |

**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/human-elisa-kits/heat-shock-70kda-protein-5-hspa5/41833