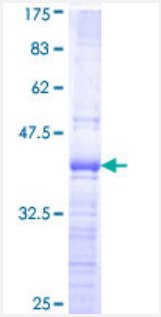
# NFYA (Human) Recombinant Protein (Q01)

Catalog # H00004800-Q01 Size 25 ug, 10 ug

## Applications




## Specification

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|---|---|
| **Product Description** | Human NFYA partial ORF ( AAH39244, 219 a.a. - 318 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence** | AIQRIPLPGAEMLEEEPLYVNAKQYNRILKRRQARAKLEAEGKIPKERRKYLHESRHRHAMARKRG EGGRFFSPKEKDSPHMQDPNQADEEAMTQIIRVS |
| **Host** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa)** | 36.63 |
| **Preparation Method** | *in vitro* wheat germ expression system |
| **Purification** | Glutathione Sepharose 4 Fast Flow |
| **Quality Control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |
| **Storage Instruction** | Store at -80°C. Aliquot to avoid repeated freezing and thawing. |
| **Note** | Best use within three months from the date of receipt of this protein. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — NFYA

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|---|---|
| **Entrez GeneID** | 4800 |
| **GeneBank Accession#** | BC039244 |
| **Protein Accession#** | AAH39244 |
| **Gene Name** | NFYA |
| **Gene Alias** | CBF-A, CBF-B, FLJ11236, HAP2, NF-YA |
| **Gene Description** | nuclear transcription factor Y, alpha |
| **Omim ID** | 189903 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is one subunit of a trimeric complex, forming a highly conserved transcription factor that binds to CCAAT motifs in the promoter regions in a variety of genes. Sub unit A associates with a tight dimer composed of the B and C subunits, resulting in a trimer that bi nds to DNA with high specificity and affinity. The sequence specific interactions of the complex ar e made by the A subunit, suggesting a role as the regulatory subunit. In addition, there is evidence of post-transcriptional regulation in this gene product, either by protein degradation or control of tr anslation. Further regulation is represented by alternative splicing in the glutamine-rich activation domain, with clear tissue-specific preferences for the two isoforms. [provided by RefSeq |
| **Other Designations** | CAAT-box DNA binding protein subunit A\|CCAAT-binding transcription factor subunit B\|HAP2 C CAAT-binding protein\|OTTHUMP00000016365\|Transcription factor NF-Y, A subunit |

## Pathway

- Antigen processing and presentation