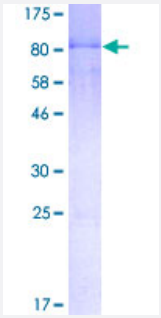
Full-Length

NFIA (Human) Recombinant Protein (P01)

Catalog # H00004774-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NFIA full-length ORF (AAH22264, 1 a.a. - 498 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MYSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKEEERAVKDELLSEKP EVKQKWASRLLAKLRKDIRPEYREDFVLTVTGKKPPCCVLSNPDQKGKMRRIDCLRQADKVWRL DLVMVILFKGIPLESTDGERLVKSPQCSNPGLCVQPHHIGVSVKELDLYLAYFVHAADSSQSESP SQPSDADIKDQPENGHLGFQDSFVTSGVFSVTELVRVSQTPIAAGTGPNFSLSDLESSSYYSMSP GAMRRSLPSTSSTSSTKRLKSVEDEMDSPGEEPFYTGQGRSPGSGSQSSGWHEVEPGMPSPT TLKKSEKSGFSSPSPSQTSSLGTAFTQHHRPVITGPRASPHATPSTLHFPTSPIIQQPGPYFSHPAI RYHPQETLKEFVQLVCPDAGQQAGQVGFLNPNGSSQGKVHNPFLPTPMLPPPPPPPMARPVPL PVPDTKPPTTSTEGGAASPTSPILVPGIKVAASHHPPDRPPDPFSTL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	80.52
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 — NFIA

Entrez GeneID	4774
GeneBank Accession#	BC022264
Protein Accession#	AAH22264
Gene Name	NFIA
Gene Alias	DKFZp434L0422, KIAA1439, NFI-L
Gene Description	nuclear factor I/A
Omim ID	600727
Gene Ontology	Hyperlink
Gene Summary	Nuclear factor I (NFI) proteins constitute a family of dimeric DNA-binding proteins with similar, and possibly identical, DNA-binding specificity. They function as cellular transcription factors and as replication factors for adenovirus DNA replication. Diversity in this protein family is generated by multiple genes, differential splicing, and heterodimerization.[supplied by OMIM
Other Designations	OTTHUMP00000010292

Publication Reference

- Temporal Regulation of Nuclear Factor One Occupancy by Calcineurin/NFAT Governs a Voltage-Sensitive Developmental Switch in Late Maturing Neurons.

  Ding B, Wang W, Selvakumar T, Xi HS, Zhu H, Chow CW, Horton JD, Gronostajski RM, Kilpatrick DL.

  Journal of Neuroscience 2013 Feb; 33(7):2860.

  Application: WB, Mouse, Mouse neural tissues

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Tobacco Use Disorder