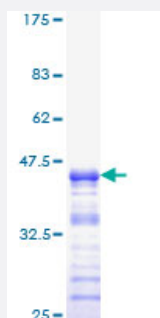


NF1 (Human) Recombinant Protein (Q01)

Catalog # H00004763-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NF1 partial ORF (NP_000258, 2719 a.a. - 2818 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DTYLPGIDEETSEESLLTPTSPYPPALQSQLSITANLNLSNSMTSLATSQHSFGIDKENVELSPTTG HCNSGRTRHGSASQVQKQRSAGSFKRNSIKKIV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
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 — NF1

Entrez GeneID [4763](#)

GeneBank Accession# [NM_000267](#)

Protein Accession# [NP_000258](#)

Gene Name NF1

Gene Alias DKFZp686J1293, FLJ21220, NFNS, VRNF, WSS

Gene Description neurofibromin 1

Omim ID [162200](#) [162210](#) [193520](#) [601321](#) [607785](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene product appears to function as a negative regulator of the ras signal transduction pathway. Mutations in this gene have been linked to neurofibromatosis type 1, juvenile myelomonocytic leukemia and Watson syndrome. The mRNA for this gene is subject to RNA editing (CGA>UGA->Arg1306Term) resulting in premature translation termination. Alternatively spliced transcript variants encoding different isoforms have also been described for this gene. [provided by RefSeq]

Other Designations neurofibromin

Publication Reference

- [Neurofibromin physically interacts with the N-terminal domain of Focal Adhesion Kinase.](#)

Kweh F, Zheng M, Kurenova E, Wallace M, Golubovskaya V, Cance WG.

Molecular Carcinogenesis 2009 Nov; 48(11):1005.

Application: WB, Human, Schwann cells, BT474, MEF cells

Pathway

- [MAPK signaling pathway](#)

Disease

- [Adrenal Gland Neoplasms](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Epilepsy](#)
- [Facies](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Learning Disorders](#)
- [Leukemia](#)
- [Multiple endocrine neoplasia](#)
- [Myelodysplastic Syndromes](#)
- [Nerve Sheath Neoplasms](#)
- [Neurofibromatosis](#)
- [Neurofibromatosis 1](#)
- [Noonan Syndrome](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pheochromocytoma](#)

- [Spasms](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Tuberous sclerosis](#)