

Recombinant Human NF1, GST-tagged

Cat. No. NF1-335H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human NF1(2719 a.a. - 2818 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	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.
Molecular Mass	36.74 kDa
AA Sequence	DTYLPGIDEETSEESLLTPTSPYPPALQSQLSITANLNLSNSMTSLATSQHSPPGIDKE NVELSPTTGHCNSGRTR HGSASQVQKQRSAGSFKRNSIKKIV
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	NF1 neurofibromin 1 [Homo sapiens (human)]
Official Symbol	NF1
Synonyms	NF1; WSS; NFNS; VRNF; neurofibromin 1; neurofibromin; neurofibromatosis-related protein NF-1
Gene ID	4763
mRNA Refseq	NM_000267
Protein Refseq	NP_000258
MIM	613113
UniProt ID	P21359
Chromosome Location	17q11.2
Pathway	ATF-2 transcription factor network; FOXA2 and FOXA3 transcription factor networks; Integrated Breast Cancer Pathway
Function	Ras GTPase activator activity; phosphatidylcholine binding; phosphatidylethanolamine binding

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