

Recombinant Human NF1 Protein, His-tagged

Cat. No. NF1-334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NF1 protein with His tag was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1198-1551 aa
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	~40.2 kDa, reducing conditions
AA Sequence	MGSSHHHHHHSSGLVPRGSHMETVLADRFERLVELVTMMGDQGELPIAMALANVV PCSQWDELARVLVTLFDSRHLLYQLLWNMFSSKEVELADSMQTLFRGNSLASKIMTF CFKVYGATYLQKLLDPLLRIKITSSDWQHVSFEVDPTRLEPSESLEENQRNLLQMTE KFFHAISSSSSEFPPQLRSVCHCLYQVVSQRFPQNSIGAVGSAMFLRFINPAIVSPYE AGILDKKPPPRIERGLKLSKILQSIANHVLFTEEHMRPFNDFVKSNFDAARRFFLDI ASDCPTSDAVNHSLSFISDGNVLALHRLWNNQEKIGQYLSSNRDHKAVGRRPFDK MATLLAYLGPPEH

 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

Purity	>90%, by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.16 mg/mL
Storage Buffer	Supplied as a 0.2 µm filtered solution in 50 mM Tris-HCl, pH 7.5, 200 mM NaCl.

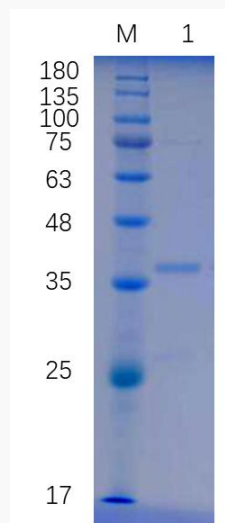
GENE INFORMATION

Gene Name	NF1 neurofibromin 1 [Homo sapiens (human)]
Official Symbol	NF1
Synonyms	NF1; neurofibromin 1; WSS; NFNS; VRNF; neurofibromin; neurofibromatosis 1; neurofibromatosis-related protein NF-1; truncated neurofibromin 1
Gene ID	4763
mRNA Refseq	NM_000267
Protein Refseq	NP_000258
MIM	613113
UniProt ID	P21359

 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

SDS-PAGE

12% reducing SDS-PAGE analysis of purified NF1 (~ 2 ug protein loaded)

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