

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

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
 MGSSHHHHHSSGLVPRGSHMETVLADRFERLVELVTMMGDQGELPIAMALANVV
 PCSQWDELARVLVTLFDSRHLLYQLLWNMFSKEVELADSMQTLFRGNSLASKIMTF
 CFKVYGATYLQKLLDPLLRIVITSSDWQHVSFEVDPTRLEPSESLEENQRNLLQMTE
 KFFHAISSSSEFPPQLRSVCHCLYQVVSQRFPQNSIGAVGSAMFLRFINPAIVSPYE
 AGILDKKPPPRIERGLKLSKILQSIANHVLFTKEEHMRPFNDFVKSNFDAARRFFLDI
 ASDCPTSDAVNHSLSFISDGNVLALHRLWNNQEKIGQYLSSNRDVKAVGRRPFDK
 MATLLAYLGPPEH

Purity >90%, by SDS-PAGE

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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

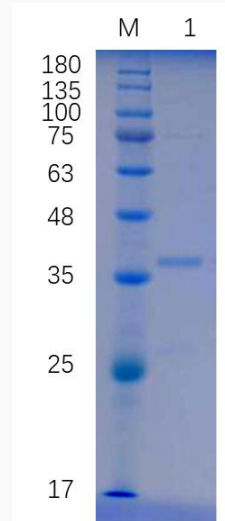
Gene Name	NF1 neurofibromin 1 [Homo sapiens (human)]
Official Symbol	NF1
Synonyms	NF1; neurofibromin 1; WSS; NFNS; VRNF; neurofibromin; neurofibromatosis 1; neurofibromatosis-related protein NF-1; truncated neurofibromin 1
Gene ID	4763
mRNA Refseq	NM_000267
Protein Refseq	NP_000258
MIM	613113
UniProt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

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SDS-PAGE



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

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