

Recombinant Full Length Mutant Human neurofibromin(NF1) isoform 2, c.2709G> A, His tagged

Cat. No. NF1-02HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mutant Human neurofibromin(NF1) isoform 2, c.2709G> A with His tag was expressed in Insect Cells.
Species	Human
Source	Insect Cells
ProteinLength	1-2839 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.
AASequence	MHHHHHHHHHHHWSHPQFEKENLYFQGMAAHRPVEWVQAVVSRFDEQLPIKTG QQNTHTKVSTEHNKECLINISKYKFSLVISGLTTILKNVNNMRIFGEAAEKNLYLSQLIIL DTLEKCLAGQPKDTMRLDETMLVKQLLPEICHFLHTCREGNQHAAELRNSASGVLF SLSCNNFNNAVFSRISTRQLQELTVCSNVDVVDHDIELLQYINVDCAKLRLLKETAFKFK ALKKVAQLAVINSLEKAFWNWVENYPDEFTKLYQIPQTDMAECAEKLFDLVDGFAES TKRKAHVWPLQIILLILCPEIIQDISKDVVDENNMNKKLFLDSLRLKALAGHGGSRQLTE SAAIACVKLCKASTYINWEDNSVIFLLVQSMVVDLKNLLFNPSKPFSGSQPADVDL

 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

MIDCLVSCFRISPHNNQHFKICLAQNSPSTFHVVLVNSLHRIITNSALDWWPKIDAVY
CHSVELRNMFGETLHKAVQGC GAHPAIRM APSLTFKEKVTSLKFKEKPTDLETRSYK
YLLLSMVKLIHADPKLLLCNPRKQGPETQGSTAELITGLVQLVPQSHMPEIAQEAMEA
LLVLHQLD SIDLWNP DAPVETFW EISSQMLFYICKKLTSHQMLSSTEILKWLREILICR
NKFLLKNKQADRSSCHFLFYGVGCDIPSSGNTSQMSMDHEELLRTPGASLRKGKG
NSSMDSAAGCSGTPPICRQAQTKLEVALYMLWNP DTEAVLVAMSCFRHLCEEADI
RCGVDEVSVHNLLPNYNTFMEFASVSNMMSTGRAALQKRV MALLRRIEHPTAGNTE
AWEDTHAKWEQATKILNYPKAKMEDGQAAESLHKTIVKRRMSHVSGGGSIDLSDT
DSLQEWINMTGFLCALGGVCLQQRSNSGLATYSPPMGPVSEKSGSMISVMSSEGN
ADTPVSKFMDRLLSLMVLLTDTNTQFVEQTIAIMKNLLDNHTEGSSEHLGQASIETM
MLNLVRYVRVLGNMVHAIQIKTKLCQLVEVMMARRDDL SFCQEMKFRNKMVEYLT D
WVMGTSNQ AADDDVKCLTRDL DQASMEAVVSLLAGLPLQPEEGDGVELMEAKSQL
FLKYFTLFMNL LNDCSEVEDESAQTGGRKRGMSRR LASLRHCTVLAMSNLLNANVD
SGLMH SIGLGYHKDLQTRATFMEVLT KILQQGTEFDTLAETVLADRFERLVELVTMM
GDQGELPIAMALANV VPCSQWDELARVLVTLFDSRHLLYQLLWNMF SKEVELADSM
QTLFRGNSLASKIMTFCFKVYGATYLQKLLDPLL RIVITSSDWQHVSFEVDPT RLEPS
ESLEENQRNLLQMTEKFFHAISSSSEFP PQLRSVCHCLYQVVSQRFPQNSIGAVGS
AMFLRFINPAIVSPYEAGILDKKPPPRIERGLKLM SKILQSIANHVLFTKEEHMRPFND
FVKSNFDAARRFFLDIASDCPTSDAVNHSLSFISDGNVLALHRLWNNQE KIGQYLSS
NRDHKAVGRRPFDKMATLLAYLGPPPEHKPVADTHWSSLNTSSKFEEFMTRHQVH
EKEEFKALKTLSIFYQAGTSKAGNPIFYVARRFKTGQINGDLLIYHVLLTLKPY YAKP
YEIVVDLTHTGPSNRFKTDFLSKWFVFP GFAYDNVSAVYIYNCNSWVREYTKYHER
LLTGLKGSKRLVFIDCPGKLAEHIEHEQQKLPAATLAEEDLKVFHNALKLAHKDTKV
SIKVGSTAVQV TSAERTKVLGQSVFLNDIYYASEIEEICLV DENQFTLTIANQGTPLTF
MHQECEAIVQSIIHIRTRWELSQPDSIPQHTKIRPKDVPGTLLNIALNLGSSDPSLR S
AAYNLLCALTCTFNLKIEGQLLETSGLCIPANNTLFIVSISKTLAANEPH LTLEFLEECIS
GFSKSSIELKHLCLEYMPWLSNLVRFC KHND DAKRQ RVTAILDKLITMTINEKQMYP
SIQAKIWGSLGQITDLLDVLD SFIKTSATGGLGSIKAEVMADTAVALASGNVKLVSSK
VIGRMCKIIDKTCLSPTPTLEQHLMWDDI AILARYMLMLSFNNSLDVAAHLPYLFHVVT
FLVATGPLSLRASTHGLVINIIHSLCTCSQLHFSEETKQVLRSLTEFSLPKFYLLFGIS

KVKSAAVIAFRSSYRDRSFSPGSYERETFALTSLETVTEALLEIMEACMRDIPTCKWL
DQWTELAQRFAFQYNPSLQPRALVVFVGCISKRVSHGQIKQIIRILSKALESCLKGPDT
YNSQVLIATVIALTKLQPLLNKDSPLHKALFWAVAVLQLDEVNLYSAGTALLEQNL
HTLDSLRIKNDKSPVEVFMAIRNPLEWHCKQMDHFVGLNFNSNFNFALVGHLLKGY
RHPSPAIVARTVRILHTLLTLVNKHNRNCDKFEVNTQSVAYLAALLTVSEEVRSRCSLK
HRKSLLLTDISMENVPMDTYPIHHGDPSTYRTLKETQPWSSPKGSEGYLAATYPTVG
QTSPRARKSMSLDMGQPSQANTKKLLGTRKSFHLSIDTKAPKRQEMESGITPPK
MRRVAETDYEMETQRISSSQHPHLRKVSSESNVLLDEEVLTDPKIQALLTLVATL
VKYTTDEFDQRILYEYLAESVFPKVFVHNLLDSKINTLLSLCQDPNLLNPIHGIV
QSVVYHEESPPQYQTSYLQSFNGFLWRFAGPFSKQTQIPDYAELIVKFLDALIDTYL
PGIDEETSEESLLTPTSPYPPALQSQLSITANLNSNSMTSLATSQHSPGIDKENVEL
SPTTGHHCNSGRTRHGSASQVQKQRSAGSFKRNSIKKIV

Molecular Mass 320 kDa

Purity > 60% 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.

Storage Buffer Sterile 50mM Tris, pH8.0, 200mM NaCl, 0.05% SKL, 2mM DTT

Concentration 2 mg/mL by Bradford

GENE INFORMATION

Gene Name NF1 neurofibromin 1 [Homo sapiens (human)]

Official Symbol NF1

Synonyms NF1; neurofibromin 1; neurofibromin; neurofibromatosis; von Recklinghausen

 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

disease; Watson disease; neurofibromatosis-related protein NF-1; WSS; NFNS; VRNF; FLJ21220; DKFZp686J1293;

Gene ID 4763

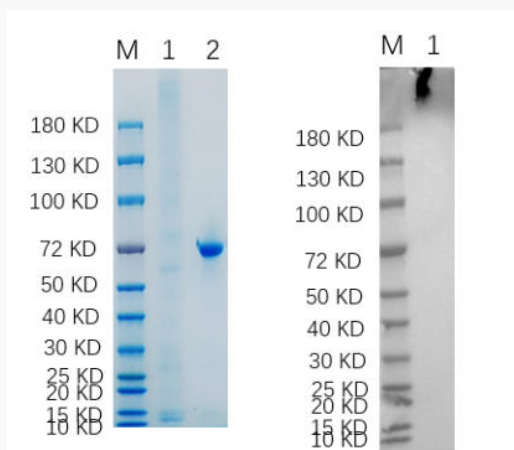
mRNA Refseq NM_000267

Protein Refseq NP_000258

MIM 613113

UniProt ID P21359

SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profiles of purified NF1 Mutant. 1. NF1 Mutant 2. BSA

 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