

Recombinant Human ZNRF1, GST-tagged

Cat. No. ZNRF1-134H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human ZNRF1 (amino acid residues 1-227), with N-terminal GST, was expressed in E.coli.

Species Human

Source E.coli

ProteinLength 1-227 a.a.

Description The enzymes of the ubiquitylation pathway play a pivotal role in a number of cellular processes including the regulated and targeted proteasome-dependent degradation of substrate proteins. Three classes of enzymes are involved in the process of ubiquitylation; activating enzymes (E1s), conjugating enzymes (E2s) and protein ligases (E3s). Zinc and Ring Finger protein 1 (ZNRF1) is a member of the Really Interesting New Gene (RING) E3 protein ligase family and cloning of the human gene was first described by Araki et al. (2001). ZNRF1 has been shown to be expressed in both the central and peripheral nervous system of rats during development and in adulthood (Araki et al., 2001).

Form 50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol

Molecular Mass ~50kDa

Storage 12 months at -70°C. Avoid multiple freeze/thaw cycles.

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Concentration 0.5mg/ml

GENE INFORMATION

Gene Name ZNRF1 zinc and ring finger 1, E3 ubiquitin protein ligase [Homo sapiens]

Official Symbol ZNRF1

Synonyms ZNRF1; zinc and ring finger 1, E3 ubiquitin protein ligase; zinc and ring finger 1; E3 ubiquitin-protein ligase ZNRF1; DKFZp434E229; FLJ14846; nin283; nerve injury gene 283; zinc/RING finger protein 1; zinc and ring finger protein 1; nerve injury-induced gene 283 protein; NIN283; FLJ46491; MGC15430;

Gene ID 84937

mRNA Refseq NM_032268

Protein Refseq NP_115644

MIM 612060

UniProt ID Q8ND25

Chromosome Location 16q22.3

Function ligase activity; metal ion binding; protein binding; ubiquitin-protein ligase activity; zinc ion binding;

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