

Recombinant Human Ring Finger Protein 11

Cat. No. RNF11-2534H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	RING finger protein 11 is a protein that in humans is encoded by the RNF11 gene. The protein encoded by this gene contains a RING-H2 finger motif, which is known to be important for protein-protein interactions. The expression of this gene has been shown to be induced by mutant RET proteins (MEN2A/MEN2B). The germline mutations in RET gene are known to be responsible for the development of multiple endocrine neoplasia (MEN).
Biochem/physiol Actions	RNF11 (RING Finger Protein 11) is a RING E3 ubiquitin ligase with potential to mediate ubiquitination and subsequent proteolysis.^{1,2} RNF11 binds numerous proteins in a variety of cellular pathways, including TGFβ and EGFR signaling.^{3,1,2} RNF11 expression is elevated in breast and prostate cancer. RNF11 may represent an important target for novel cancer therapies.
Physical Form	Solution in 50 mM Tris, pH 7.5, 150 mM NaCl, 1 mM DTT, and 30% glycerol (w/v).
Assay	$\geq 90\%$ (SDS-PAGE).
Form	buffered aqueous solution.

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Storage Temp -20°C.

GENE INFORMATION

Gene Name RNF11 ring finger protein 11 [Homo sapiens]

Synonyms ring finger protein 11; CGI-123; SID1669; MGC51169; RNF11; RING finger protein 11; Sid1669p; Sid 1669

Gene ID 26994

mRNA Refseq NM_014372

Protein Refseq NP_055187

MIM 612598

UniProt ID Q9Y3C5

Chromosome Location 1pter-p22.1

Function DNA binding; metal ion binding; protein binding; zinc ion binding

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