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	≥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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