

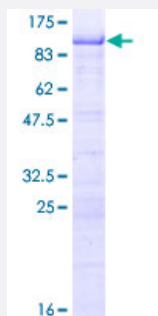
Full-Length

RNF168 (Human) Recombinant Protein (P01)

Catalog # H00165918-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RNF168 full-length ORF (NP_689830.2, 1 a.a. - 571 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALPKDAIPSLSECQCICMEILVEPVTLPCHTLCKPCFQSTVEKASLCCPFCRRRVSSWTRYH
TRRNSLVNVELWTIIQKHYPRECKLRASGQEEVADDYQPVRLLSKPGELRREYEEEISKVAAER
RASEEEENKASEEYIQRLLAEKEEKRAEKRRRAMEEQLKSDEELARKLSIDINNFCESISAS
PLNSRKSDPVTPEKSKKNKQNTGDIQKYLTPKSQFGSASHSEAVQEVKDSVSKDIDSSDR
KSPTGQDTEIEDMPTLSPQISLGVGEQGADSSIESPMPWLCACGAEWYHEGNVKTRPSNHGKEL
CVLSHERPKTRVPYSKETAVMPCGRTEGSCAPTSQVGTQNGNNTGETENEECLLISKEISKRKN
QESSFEAVKDPCFSAKRRKVSPESPQDEEINFTQKLIDLEHLLFERHKQEEQDRLLALQLQK
EVDKEQMVNRPQKGPDEYHLRATSSPPDKVLNGQRKNPKDGNFKRQTHTKHPTPERGSRDK
NRQVSLKMLKQSVNRRKMPNSTRDHCKVSKSAHSLQPSISQKSVFQMFQRCTK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.4

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RNF168

Entrez GeneID[165918](#)**GeneBank Accession#**[NM_152617.2](#)**Protein Accession#**[NP_689830.2](#)**Gene Name**

RNF168

Gene Alias

FLJ35794

Gene Description

ring finger protein 168

Gene Ontology[Hyperlink](#)**Gene Summary**

The complex repair response elicited by DNA double-strand breaks (DSBs) includes recruitment of several DNA repair proteins and ubiquitination of H2A-type histones (see MIM 142720). RNF168 is an E3 ubiquitin ligase critical for DSB repair (Stewart et al., 2009 [PubMed 19203578]).[supplied by OMIM]

Other Designations

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Publication Reference

- [Extracellular matrix stiffness determines DNA repair efficiency and cellular sensitivity to genotoxic agents.](#)

Min Deng, Jing Lin, Somaira Newsheen, Tongzheng Liu, Yingchun Zhao, Peter W Villalta, Delphine Sicard, Daniel J Tschumperlin, SeungBaek Lee, JungJin Kim, Zhenkun Lou.

Science Advances 2020 Sep; 6(37):eabb2630.

Application: Func, Recombinant proteins