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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RNF168 (Human) Recombinant Protein (P01)

Catalog Number: H00165918-P01

Regulation Status: For research use only (RUO)

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:

MALPKDAIPSLSECQCGICMEILVEPVTLPNHTLCKP
CFQSTVEKASLCCPFCRRRVSSWTRYHTRNSLVNV
ELWTIIQKHYPRECKLRASGQEESEVADDYQPVRLLSK
PGELRREYEEEISKVAAERRASEEEENKASEEYIQRLL
AEEEEEEKRQAEKRRRAMEEQLKSDEELARKLSIDINN
FCEGSISASPLNSRKSDPVTPKSEKSKNKQRNTGDIQ
KYLTPKSQFGSASHSEAVQEVRKDSVSKDIDSSDRKS
PTGQDTEIEDMPTLSPQISLGVGEQGADSSIESPMPW
LCACGAEWYHEGNVKTTPSNHGKELCVLSHERPKTR
VPYSKETAVMPCGRTEGSCAPTSVGTQTNGNNTGET
ENEESCLLISKEISKRKNQESSFEAVKDPCFSAKRRKV
SPESSPDQEETEINFQKLIDLEHLLFERHKQEEQDRL
LALQLQKEVDKEQMVPNRQKGPDEYHLRATSSPPD
KVLNGQRKNPKDGNFKRQTHTKHPTPERGSRDKNRQ
VSLKMLKQSVNRRKMPNSTRDHCKVSKSAHSLQPSI
SQKSVFQMFQRCTK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 91.4

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 165918

Gene Symbol: RNF168

Gene Alias: FLJ35794

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]

References:

1. 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. Sci Adv. 2020 Sep 11;6(37):eabb2630. doi: 10.1126/sciadv.abb2630. Print 2020 Sep.