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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

PRF1 (Human) Recombinant Protein (P01)

Catalog Number: H00005551-P01

Regulation Status: For research use only (RUO)

Product Description: Human PRF1 full-length ORF (AAH63043.1, 22 a.a. - 555 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

PCHTAARSECKRSHKFVPGAWLAGEGVDVTSLRSG
SFPVDTQRFLRPDGTCTLCENALQEGTLQRLPLALTN
WRAQSGCQRHVTRAKVSSTEAVARDAARSIRNDWK
VGLDVTPKPTSNVHVSAGSHSQAANFAAQKTHQDQ
YSFSTDTVECRFYSFHVHTPPLHPDFKRALGDLPHH
FNASTQPAYLRLISNYGTHFIRAVELGGRISALTALRTC
ELALEGLTDNEVEDCLTVEAQVNIGIHGSISAEAKACEE
KKKKHKMTASFHQTYRERHSEVVGGHHTSINDLLFGI
QAGPEQYSAWVNSLPGSPGLVDYTLLEPLHVLLDSQDP
RREALRRALSQYLTDRAWRDCSRPCPPGRQKSPRD
PCQCVCHGSAVTTQDCCPRQRGLAQLEVTFIQAWGL
WGDWFTATDAYVKLFLGGQELRTSTVWDNNNPIWSV
RLDFGDVLLATGGPLRLQVWDQDSGRDDLLGTCDQ
APKSGSHEVRCNLNHGHLKFRYHARCLPHLGGGTCL
DYVPQMLLGEPPGNRSGAVW

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 84.48

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: 5551

Gene Symbol: PRF1

Gene Alias: FLH2, HPLH2, MGC65093, P1, PFN1, PFP

Gene Summary: The protein encoded by this gene has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

References:

1. Role of the inflammatory protein serine protease inhibitor Kazal in preventing cytolytic granule granzyme A-mediated apoptosis. Lu F, Lamontagne J, Sun A, Pinkerton M, Block T, Lu X. Immunology. 2011 Dec;134(4):398-408. doi: 10.1111/j.1365-2567.2011.03498.x.