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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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Datasheet

EIF4G1 (Human) Recombinant Protein (P01)

Catalog Number: H00001981-P01

Regulation Status: For research use only (RUO)

Product Description: Human EIF4G1 full-length ORF (AAH07788, 1 a.a. - 645 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDQYFNQMEKIIKEKKTSSRIRFMLQDVLDLRGSNWV
PRRGDQGPKTIDQIHKEAEMEEHREHIKVQQLMAKGS
DKRRGGPPGPPISRGLPLVDDGGWNTVPISKGSRPID
TSRLTKITKPGSIDSNNQLFAPGGRLSWGKSSGGSG
AKPSDAASEAARPATSTLNRFSALQQA VPTTESTDNRR
VVQRSSLSRERGEKAGDRGDRLE R SERGGDRGDRL
DRARTPATKRSFSKEVEERSRERPSQPEGLRKAASLT
EDRDRGRDAVKREAAALPPVSPLKAALSEEELEKKS KAI
IEEYLHLNDMKEAVQCVQELASPSLLFIFVRHGVSTL
ERSAIAREHMGQLLHQLLCAGHLSTAQYYQGLYEILEL
AEDMEIDIPHVWLYLAELVTPILQEGGVPMGELFREITK
PLRPLGKAASLLLEILGLLCKSMGPKKVGLTWREAGLS
WKEFLPEGQDIGAFVAEQKVEYTLGEESEAPGQRALP
SEELNRQLEKLLKEGSSNQRVFDWIEANLSEQQIVSNT
LVRALMTAVCYS AIFETPLRVDVAVLKARAKLLQKYL C
DEQKELQALYALQALVVTLEQPPNLLRMFFDALYDED
VVKEDAFYSWESSKDPAEQQGKGVALKSVTAFFKWL
REAEESDHN

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 96.58

Interspecies Antigen Sequence: Mouse (92); Rat (92)

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: 1981

Gene Symbol: EIF4G1

Gene Alias: DKFZp686A1451, EIF4F, EIF4G, p220

Gene Summary: The protein encoded by this gene is a component of the protein complex EIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure, and recruitment of mRNA to the ribosome. Alternative splicing results in five transcript variants encoding four distinct isoforms. [provided by RefSeq]

References:

1. Two-Site Phosphorylation of EPRS Coordinates Multimodal Regulation of Noncanonical Translational Control Activity. Arif A, Jia J, Mukhopadhyay R, Willard B, Kinter M, Fox PL. Mol Cell. 2009 Jul 31;35(2):164-80.