Datasheet for ABIN2720102

EIF4G1 Protein (Transcript Variant 5) (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	EIF4G1
Protein Characteristics:	Transcript Variant 5
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EIF4G1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human EIF4G1 / EIF4F (transcript variant 5) protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	EIF4G1
Alternative Name:	Eif4g1,eif4f (EIF4G1 Products)
Background:	The protein encoded by this gene is a component of the multi-subunit protein complex EIF4F. This complex facilitates the recruitment of mRNA to the ribosome, which is a rate-limiting step during the initiation phase of protein synthesis. The recognition of the mRNA cap and the ATP-dependent unwinding of 5'-terminal secondary structure is catalyzed by factors in this complex.

Target Details

	The subunit encoded by this gene is a large scaffolding protein that contains binding sites for other members of the EIF4F complex. A domain at its N-terminus can also interact with the poly(A)-binding protein, which may mediate the circularization of mRNA during translation. Alternative splicing results in multiple transcript variants, some of which are derived from alternative promoter usage.
Molecular Weight:	154.6 kDa
NCBI Accession:	NP_004944

Application Details

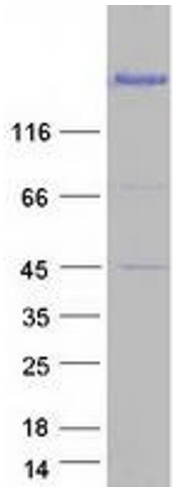
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Liberman, Gandin, Svitkin, David, Virgili, Jaramillo, Holcik, Nagar, Kimchi, Sonenberg: "DAP5 associates with eIF2β and eIF4AI to promote Internal Ribosome Entry Site driven translation." in: **Nucleic acids research**, Vol. 43, Issue 7, pp. 3764-75, (2015) (PubMed).



Western Blotting

Image 1. Validation with Western Blot

