

Product Datasheet

Recombinant Human Actin Gamma 1 GST (N-Term) Protein

H00000071-P01-10ug

Unit Size: 10 ug

Store at -80C. Avoid freeze-thaw cycles.

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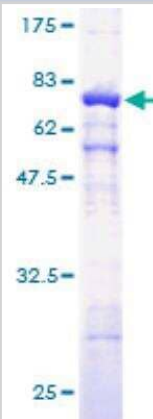


H00000071-P01-10ug**Recombinant Human Actin Gamma 1 GST (N-Term) Protein**

Product Information	
Unit Size	10 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>80% by SDS-PAGE and Coomassie blue staining
Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH 8.0 in the elution buffer.
Target Molecular Weight	66.99 kDa
Product Description	
Description	<p>A recombinant protein with GST tag at N-terminal corresponding to the amino acids 1-375 of Human ACTG1</p> <p>Source: <i>Wheat Germ (in vitro)</i></p> <p>Amino Acid Sequence: MEEEIAALVIDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDS YVGDEAQSQRGILTLYPIEHGIVTNWDDMEKIWHHTFYNELRVAPPEHPVLLT EAPLNPKANREKMTQIMFETFNTPAMYVAIQAVLSLYASGRTTGIVMDSGDGVT HTVPIYEGYALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKL CYVALDFEQEMATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLGME SCGIHETTFNSIMKCDVDIRKDLYANTVLSGGTTMYPGIADRMQKEITALAPSTM KIKIIPPERKYSVWIGGSILASLSTFQQMWISKQEYDESGPSIVHRKCF</p>
Gene ID	71
Gene Symbol	ACTG1
Species	Human
Preparation Method	in vitro wheat germ expression system
Details of Functionality	This protein was produced in an in vitro wheat germ expression system that should preserve correct conformational folding that is necessary for biological function. While it is possible that this protein could display some level of activity, the functionality of this protein has not been explicitly measured or validated.
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, In vitro assay, Protein Array, Immunoaffinity Purification, Mass Spectrometry
Recommended Dilutions	Western Blot, ELISA, In vitro assay, Protein Array, Mass Spectrometry, Immunoaffinity Purification
Application Notes	Use in In vitro reported in scientific literature (PMID:33859739).

Images

SDS-Page: Recombinant Human Actin Gamma 1 Protein [H00000071-P01] - 12.5% SDS-PAGE Stained with Coomassie Blue.



Publications

Li K, Sun X, Zha R et al. Counterintuitive production of tumor-suppressive secretomes from Oct4- and c-Myc-overexpressing tumor cells and MSCs Theranostics 2022-03-28 [PMID: 35547745] (MS)

Sun X, Li K, Zha R et al. Preventing tumor progression to the bone by induced tumor-suppressing MSCs Theranostics 2021-03-16 [PMID: 33859739] (In vitro)

Bui-Nguyen TM, Dennis WE, Jackson DA et al. Detection of Dichlorvos Adducts in a Hepatocyte Cell Line. J. Proteome Res. 2014-06-30 [PMID: 24978939] (MS)

Details:

Human actin gamma recombinant protein (ACTG1, H00000071-P01) and Lactate Dehydrogenase A Recombinant Protein (H00003939-P01) up to 10 ug were incubated with DDVP (5 mM) in binding buffer for 2 h, and the reactions were quenched by 1% heated RapiGest in 50 mM NH₄HCO₃ at 65 C. Treated proteins were subjected to LC-MS/MS.



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to H00000071-P01-10ug

210-TA-005	TNF-alpha [Unconjugated]
NB600-533	Actin Gamma 1 Antibody
M6000B-1	IL-6 [HRP]
NB600-501	beta-Actin Antibody (AC-15)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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