

## Product datasheet for TP324058

### RGS3 (NM\_130795) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human regulator of G-protein signaling 3 (RGS3), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224058 representing NM_130795 Red=Cloning site Green=Tags(s)

MNRFNGLCKVCSERRYRQITIPRGKDGFGFTICCDSPVRVQAVDSGGPAERAGLQQLDTVLQLNERPVEH  
WKCVELAHEIRSCPSEIILLVWRMVPQVKPGPDGGVLRASCKSTHDLQSPPNKREKNCTHGVQARPEQR  
HSCHLVCDSSDGLLLGGWERYTEVAKRGGQHTLPALS RATAPDPNYIILAPLNPGSQLLRPVYQEDTIP  
EESGSPSKGKSYTGLGKKSRLMKTVMKGGHNYQNCPPVRPHATHSSYGTIVTLAPKVLVFPVFVQPLD  
LCNPARTLLLSEELLYEGRNKA AEVTLFAYS D L L L F T K E D E P G R C D V L R N P L Y L Q S V K L Q E G S S E D L K F  
CVLYLAEKA E C L F T L E A H S Q E Q K K R V C W C L S E N I A K Q Q L A A S P P D S K M F E T E A D E K R E M A L E E G K G P G A  
E D S P P S K E P S P G Q E L P P G Q D L P P N K D S P S G Q E P A P S Q E P L S S K D S A T S E G S P P G P D A P P S K D V P P C Q E P P  
P A Q D L S P C Q D L P A G Q E P L P H Q D P L L T K D L P A I Q E S P T R D L P P C Q D L P P S Q V S L P A K A L T E D T M S S G D L L A  
A T G D P P A A P R P A F V I P E V R L D S T Y S Q K A G A E Q G C S G D E E D A E E A E E V E E G E E D E D E D T S D D N Y G E R S  
E A K R S S M I E T G Q G A E G G L S L R V Q N S L R R R T H S E G S L L Q E P R G P C F A S D T T L H C S D G E G A A S T W G M P S P S T  
L K K E L G R N G G S M H H L S L F F T G H R K M S G A D T V G D D D E A S R K R K S K N L A K D M K N K L G I F R R R N E S P G A P P A G  
K A D K M M K S F K P T S E E A L K W G E S L E K L L V H K Y G L A V F Q A F L R T E F S E E N L E F W L A C E D F K K V K S Q S K M A S K  
A K K I F A E Y I A I Q A C K E V N L D S Y T R E H T K D N L Q S V T R G C F D L A Q K R I F G L M E K D S Y P R F L R S D L Y L D L I N Q  
K K M S P P L

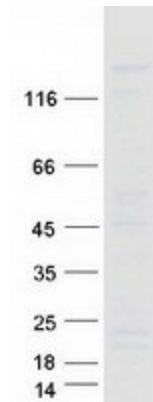
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	100.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_570613</u>
<b>Locus ID:</b>	5998
<b>UniProt ID:</b>	<u>P49796, A0A024R841</u>
<b>RefSeq Size:</b>	3741
<b>Cytogenetics:</b>	9q32
<b>RefSeq ORF:</b>	2751
<b>Synonyms:</b>	C2PA; RGP3
<b>Summary:</b>	This gene encodes a member of the regulator of G-protein signaling (RGS) family. This protein is a GTPase-activating protein that inhibits G-protein-mediated signal transduction. Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding different isoforms. Long isoforms are largely cytosolic and plasma membrane-associated with a function in Wnt signaling and in the epithelial mesenchymal transition, while shorter N-terminally-truncated isoforms can be nuclear. [provided by RefSeq, Jan 2013]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Axon guidance

**Product images:**

Coomassie blue staining of purified RGS3 protein (Cat# TP324058). The protein was produced from HEK293T cells transfected with RGS3 cDNA clone (Cat# [RC224058]) using MegaTran 2.0 (Cat# [TT210002]).