

Datasheet for ABIN7551354  
**GRAF Protein (AA 1-814) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GRAF (ARHGAP26)
Protein Characteristics:	AA 1-814
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRAF protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat ARHGAP26 Protein expressed in mammalian cells.
Sequence:	<p>MGLPALEFSD CCLDSPHFRE TLKSHEAELD KTNKFIKELI KDGKSLISAL KNLSSAKRKF</p> <p>ADSLNEFKFQ CIGDAETDDE MCIARSLQEF ATVLRNLEDE RIRMIENASE VLITPLEKFR</p> <p>KEQIGAAKEA KKKYDKETEK YCGILEKHLN LSSKKKESQL QEADSQVDLV RQHFYEVSLE</p> <p>YVFKVQEVQE RKMFEFVEPL LAFLQGLFTF YHHGYELAKD FGDFKTQLTI SIQNTRNRFE</p> <p>GTRSEVESLM KKMKENPLEH KTISPYTMEG YLYVQEKRFH GTSWVKHYCT YQRDSKQITM</p> <p>VFPDQKSGGK GGEDEVILK SCTRRKTDSE EKRFCFDVEA VDRPGVITMQ ALSEEDRRLW</p> <p>MEAMDGREPV YNSNKDSQSE GTAQLDSIGF SIIRKCIHAV ETRGINEQGL YRIVGVNSRV</p> <p>QKLLSVLMDP KTASETETDI CAWEIKTIT SALKTYLRML PGPLMMYQFQ RSFIKAAKLE</p> <p>NQESRVSEIH SLVHRLPEKN RQMLQLLMNH LANVANNHKQ NLMTVANLGV VFGPTLLRPQ</p> <p>EETVAAIMDI KFNQIVIEIL IENHEKIFNT VPDMLPTNAQ LHLSRKKSSD SKPPSCSERP</p> <p>LTLFHTVQST EKQEQRNSII NSSLESVSSN PNSILNSSSS LQPNMNSSDP DLAVVKPTRP</p>

NSLPNPSPST SPLSPSWPMF SAPSSPMPTS STSSDSSPVR SVAGFVWFSV AAVVLSLARS  
SLHAVFSLLV NFVPCHPNLH LLFDRPEEAV HEDSSTPFRK AKALYACKAE HDSELSFTAG  
TVFDNVHPSQ EPGWLEGTLN GKTGLIPENY VEFL **Sequence without tag. The proposed  
Purification-Tag is based on experiences with the expression system, a different complexity  
of the protein could make another tag necessary. In case you have a special request, please  
contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	GRAF (ARHGAP26)
Alternative Name:	ARHGAP26 ( <a href="#">ARHGAP26 Products</a> )
Background:	<p>Rho GTPase-activating protein 26 (GTPase regulator associated with focal adhesion kinase) (GRAF1) (Oligophrenin-1-like protein) (Rho-type GTPase-activating protein 26),FUNCTION: GTPase-activating protein for RHOA and CDC42. {ECO:0000250 UniProtKB:Q5ZMW5},. FUNCTION: [Isoform 2]: Associates with MICAL1 on the endosomal membrane to promote Rab8-Rab10-dependent tubule extension. After dissociation of MICAL1, recruits WDR44 which connects the endoplasmic reticulum (ER) with the endosomal tubule, thereby participating in the export of a subset of neosynthesized proteins. {ECO:0000269 PubMed:32344433}.</p>

## Target Details

Molecular Weight: 92.2 kDa

UniProt: [Q9UNA1](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months