

Datasheet for ABIN7552383

ARHGEF25/GEFT Protein (AA 1-580) (His tag)



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Overview

Quantity:	1 mg
Target:	ARHGEF25/GEFT (ARHGEF25)
Protein Characteristics:	AA 1-580
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ARHGEF25/GEFT protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ARHGEF25 Protein expressed in mammalian cells.
Sequence:	<p>MRGGHKGGRC ACPRVIRKVL AKCGCCFARG GRESYSIAGS EGSISASAAS GLAAPSGPSS</p> <p>GLSSGPCSPG PPGPVSGLRW WLDHSHKCLS VETeadSGQA GPYENWMLEP ALATGEELPE</p> <p>LTLTTLLEG PGDKTQPPEE ETLSQAPESE EEQKKKALER SMYVLSERVE TEKMYVDDLQ</p> <p>QIVEGYMATM AAQGVPESLR GRDRIVFGNI QQIYEWHRDY FLQELQRCLK DPDWLAQLFI</p> <p>KHERRLHMYV VYCQNKPKSE HVVSEFGDSY FEELRQQLGH RLQNLNLLIK PVQRIMKYQL</p> <p>LLKDFLKYNN RAGMDTADLE QAVEVMCFVP KRCNDMMTLG RLRGFEGKLT AQGKLLGQDT</p> <p>FWVTEPEAGG LLSSRGRERR VFLFEQIIIF SEALGGGVRG GTQPGYVYKN SIKVSCLGLE</p> <p>GNLQGDPCRFL ALTSRGPEGG IQRYVLQAAD PAISQAWIKH VAQILESQRD FLNALQSPIE</p> <p>YQRRESQTNS LGRPRGPGVG SPGRIQLGDQ AQGSTHTPIN GSLPSLLLSP KGEVARALLP</p> <p>LDKQALGDIP QAPHDSPPVS PTPKTTPCQA RLAKLDEDEL 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</p>

request, please contact us.

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	ARHGEF25/GEFT (ARHGEF25)
Alternative Name:	ARHGEF25 (ARHGEF25 Products)
Background:	<p>Rho guanine nucleotide exchange factor 25 (Guanine nucleotide exchange factor GEFT) (Rac/Cdc42/Rho exchange factor GEFT) (RhoA/Rac/Cdc42 guanine nucleotide exchange factor GEFT) (p63RhoGEF),FUNCTION: May play a role in actin cytoskeleton reorganization in different tissues since its activation induces formation of actin stress fibers. It works as a guanine nucleotide exchange factor for Rho family of small GTPases. Links specifically G alpha q/11-coupled receptors to RHOA activation. May be an important regulator of processes involved in axon and dendrite formation. In neurons seems to be an exchange factor primarily for RAC1. Involved in skeletal myogenesis (By similarity). {ECO:0000250, ECO:0000269 PubMed:11861769, ECO:0000269 PubMed:12547822, ECO:0000269 PubMed:15069594, ECO:0000269 PubMed:15632174,</p>

Target Details

ECO:0000269|PubMed:16314529, ECO:0000269|PubMed:17606614}.

Molecular Weight: 63.8 kDa

UniProt: [Q86VW2](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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