

Datasheet for ABIN7554044

GRHL1 Protein (AA 1-618) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GRHL1
Protein Characteristics:	AA 1-618
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRHL1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GRHL1 Protein expressed in mammalian cells.
Sequence:	<p>MTQEYDNKRP VLVLQNEALY PQRRSYTSED EAWKSFLENP LTAATKAMMS INGDEDSAAA</p> <p>LGLLYDYYKV PRRRSSTAK PEVEHPEPDH SKRNSIPIVT EQPLISAGEN RVQVLKNVPF</p> <p>NIVLPHGNQL GIDKRGHLTA PDTTVTVSIA TMPTHSIKTE TQPHGFAVGI PPAVYHPEPT</p> <p>ERVVVFDNRN NTDQFSSGAQ APNAQRRTPD STFSETFKEG VQEVFFPSDL SLRMPGMNSE</p> <p>DYVFDSVSGN NFEYTLASK SLRQKPGDST MTYLNKGQFY PITLKEVSSS EGIHHPISKV</p> <p>RSVIMVFAE DKSREDQLRH WKYWHSRQHT AKQRCIDIAD YKESFNTISN IEEIAYNAIS</p> <p>FTWDINDEAK VFISVNCLST DFSSQKGVKG LPLNIQVDY SYNNRSNKPV HRAYCQIKVF</p> <p>CDKGAERKIR DEERKQSKRK VSDVKVPLLP SHKRMDITVF KPFIDLDTP VLFIPDVHFA</p> <p>NLQRGTHVLP IASEELEGE SVLKRGPYGT EDDFAVPPST KLARIEEPKR VLLYVRKESE</p> <p>EVFDALMLKT PSLKGLMEAI SDKYDVPHDK IGKIFKKCKK GILVNMDNDI VKHYSNEDTF</p> <p>QLQIEEAGGS YKLTLEI Sequence without tag. The proposed Purification-Tag is based on</p>

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:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

GRHL1

Alternative Name:

GRHL1 ([GRHL1 Products](#))

Background:

Grainyhead-like protein 1 homolog (Mammalian grainyhead) (NH32) (Transcription factor CP2-like 2) (Transcription factor LBP-32), FUNCTION: Transcription factor involved in epithelial development. Binds directly to the consensus DNA sequence 5'-AACCGGTT-3' (PubMed:12175488, PubMed:18288204, PubMed:29309642). Important regulator of DSG1 in the context of hair anchorage and epidermal differentiation, participates in the maintenance of the skin barrier. There is no genetic interaction with GRHL3, nor functional cooperativity due to diverse target gene selectivity during epithelia development (By similarity). May play a role in regulating glucose homeostasis and insulin signaling. {ECO:0000250|UniProtKB:Q921D9, ECO:0000269|PubMed:12175488, ECO:0000269|PubMed:18288204, ECO:0000269|PubMed:29309642, ECO:0000269|PubMed:35013237}., FUNCTION: [Isoform 1]: Functions as a transcription activator. {ECO:0000269|PubMed:12175488,

Target Details

	ECO:0000269 PubMed:29309642}., FUNCTION: [Isoform 2]: May function as a repressor in tissues where both isoform 1 and isoform 2 are expressed. {ECO:0000269 PubMed:12175488}.
Molecular Weight:	70.1 kDa
UniProt:	Q9NZI5
Pathways:	Regulation of Lipid Metabolism by PPARalpha

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