

Datasheet for ABIN7563924
GLI3 Protein (AA 1-1583) (His tag)



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Overview

Quantity:	1 mg
Target:	GLI3
Protein Characteristics:	AA 1-1583
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLI3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gli3 Protein expressed in mammalian cells.
Sequence:	MEAQAHSSSTA TERKKAENSI GKCPTRTDVS EKAVASSTTS NEDESPGQIY HRERRNAITM QPQSVQGLNK ISEEPSTSSD ERASLIKKEI HGSLPHLAEP SLPYRGTVFA MDP RNGYMEP HYHPPHLFPA FHPPVPIDAR HHEGRYHYDP SPIPPLHVPS ALSSSPTYPD LPFIRISPHR NPTAASESPF SPPHPYINPY MDYIRSLHSS PSLSMISAAR GLSPTDAPHA GVSPA EYYHQ MALLTGQRSP YADILPSAAT AGAGAIHMEY LHAMDSTRFP SPRLSARPSR KRTL SISPLS DHSFDLQ TMI RTSPNSLVTI LNNRS SSSSA SGSYGHLSAS AISPALSFTY PSAPVSLHMH QQILSRQQSL GSAFGHSPPL IHPAPTFPTQ RPIPGIPTVL NPVQVSSGPS ESSQSKPTSE SAVSSTGDPM HNKRSKIKPD EDLPSPGSRG QQEQPEGTTL VKEEADKDES KQEPEVIYET NCHWEGCTRE FDTQDQLVHH INNDHIHGEK KEFVCRWLDC SREQKPFKAQ YMLVVHMRRH TGEKPHKCTF EGCTKAYSRL ENLKTHLRSH TGEKPYVCEH EGCNKAFSNA SDRAKHQ NRT HSNEKPYVCK IPGCTKRYTD PSSLRKHVKT VHGP EAHVTK KQRGDMHPRP PPRDSGSHS QSRSPGRPTQ GAFGEQKELS NTTSKREECL QVKTVKAEKP MTSQPSPGGQ SSCSSQQSPI

SNYSNSGLEL PLTDGGSVAD LSAIDETPIM DSTISTATTA LALQARRNPA GTKWMEHIKL
ERLKQVNGMF PRLNPILPSK APAVSPLIGN GTQSNNNYSS GPGTLLPSR SDLSGVDFTV
LNTLNRRDSN TSTISSAYLS SRRSSGISPC FSSRRSSEAS QAEGRPQNVV VADSYDPIST
DASRRSSEAS QGDGLPSLLS LTPVQQYRLK AKYAAATGGP PPTPLPHMER LSLKTKMALL
GEGRDSGVTL PPVHPPRRCS DGGGHTYRGR HLMPHDALAN SVRRASDPVR TVSENMSLAR
VQRFSSLNSF NPPNLPPSVE KRSLVLQNYT RQESSQPRYF QASPCPPSIT ENVALEALTM
DADANLNDED LLPDDVVQYL NSQNQTGYGQ QLQSGISEDS KVAHEPEDLD LAGLPDSHVH
QEYPALEQPC SEGSKTDLPQ QWNEVSSGTS DLSSSKLKCG QQRPSAQQR GFGLYNNMVV
HPHNLWKVGT GPAGGYQTLG ENSSTYNGPE HFAIHSGDGL GTNGNTFHEQ PFKTQQYGSQ
LNRQPLTSSA LDHACGTGIQ GSKLKGNSLQ ENGGLLDFSL SVAPNELAGN TVNGMQTQDQ
MGQGYIAHQL LSGSMQHQGP SRPGQQVLGQ VGATSHINII QGTESCLPGT QDNSSQPSSM
AAIRGYQPCA SYGGNRRQAM PRGNLTQQG QLSDMSQSSR VNSIKMEAQG QSQQLCSTVQ
NYSQGFYDQT MGFSQQDRKA GSFSLSDANC LLQGNGTENS ELLSPGANQV TSTVDSFESH
DLEGVQIDFD AIIDDGDHTS LMSGALSPSI IQNLSSHSSR LTTPRASLPF PSLSMGTTNM
AIGDMSSLLT SLAEESKFLA VMQ **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.**

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:	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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Product Details

Grade: custom-made

Target Details

Target: GLI3

Alternative Name: Gli3 ([GLI3 Products](#))

Background: Transcriptional activator GLI3 (GLI3 form of 190 kDa) (GLI3-190) (GLI3 full-length protein) (GLI3FL) [Cleaved into: Transcriptional repressor GLI3R (GLI3 C-terminally truncated form) (GLI3 form of 83 kDa) (GLI3-83)],FUNCTION: Has a dual function as a transcriptional activator and a repressor of the sonic hedgehog (Shh) pathway, and plays a role in limb development. The full-length GLI3 form (GLI3FL) after phosphorylation and nuclear translocation, acts as an activator (GLI3A) while GLI3R, its C-terminally truncated form, acts as a repressor. A proper balance between the GLI3 activator and the repressor GLI3R, rather than the repressor gradient itself or the activator/repressor ratio gradient, specifies limb digit number and identity. In concert with TRPS1, plays a role in regulating the size of the zone of distal chondrocytes, in restricting the zone of PTHLH expression in distal cells and in activating chondrocyte proliferation. Binds to the minimal GLI-consensus sequence 5'-GGGTGGTC-3'. {ECO:0000269|PubMed:10693759, ECO:0000269|PubMed:11053430, ECO:0000269|PubMed:17400206, ECO:0000269|PubMed:19389374, ECO:0000269|PubMed:20360384}.

Molecular Weight: 171.7 kDa

UniProt: [Q61602](#)

Pathways: [Hedgehog Signaling](#)

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.

Handling

Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months