

Datasheet for ABIN7563294

## GLI1 Protein (AA 1-1111) (His tag)



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### Overview

Quantity:	1 mg
Target:	GLI1
Protein Characteristics:	AA 1-1111
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLI1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant Gli1 Protein expressed in mammalian cells.
Sequence:	<p>MFNPMTPPQV NSYSEPCCLR PLHSQGVPSM GTEGLSGLPF CHQANFMSG S QGYGAARETS</p> <p>SCTEGLSLFPP PPPRSSSVKL TKKRALSISP LSDASLDLQT VIRTSPSSLV AFINSRCTSP</p> <p>GGSYGHL SIG TMSPSLGFPP QMSHQKGTSP PYGVQPCVPH DSTRGSMMLH PQSRGPRATC</p> <p>QLKSELDMMV GKCPEDPLEG DMSSPNSTGT QDHLLGMLDG REDLEREEKP EPESVYETDC</p> <p>RWDGCSQEF D SQEQLVHHIN SEHIGERKE FVCHWGGCSR ELRPFKAQYM LVVHMRRHTG</p> <p>EKPHKCTFEG CRKSYSRLEN LKTHLRSH TG EKP YMCEQEG CSAKFSNASD RAKHQNRTHS</p> <p>NEKPYVCKLP GCTKRYTDPS SLRKHVKT VH GPDAHVTKRH RGDGPLPRAQ PLSTVEPKRE</p> <p>REGGSGREES RLTVPESAMP QQSPGAQSSC SSDHSPAGSA ANTDSGVEMA GNAGGSTEDL</p> <p>SSLDEGPCVS ATGLSTLRL ENLRDLQLHQ LRPIGSRGLK LPSLTHAGAP VSRRLGPPVS</p> <p>LDRRSSSSSS MSSAYTVSRR SSLASPFPPG TPPENGASSL PGLTPAQHYM LRARYASARG</p> <p>SGTPPTAAHS LDRMGGLSVP PWRSRTEYPG YNP NAGVTRR ASDPARAADH PAPARVQRFK</p> <p>SLGCVHTPPS VATGRNFDPH HPTSVYSPQP PSITENVAMD TRGLQEEPEV GTSVMGNGLN</p>

PYMDFSSTDT LGYGGPEGTA AEPYEARPGP SLPLGPGPPT NYGPGHCAQQ VSYPDPTPEN  
WGEFPSHAGV YPSNKAPGAA YSQCPRLHY GQVQVKPEQG CPVGSDSTGL APCLNAHPSE  
GSPGPQPLFS HHPQLPQPQY PQSGPYPQPP HGYLSTEPRL GLNFPNSSSH STGQLKAQLV  
CNYVQSQEL LWEGRNRGGL PNQELPYQSP KFLGGSQVSQ SPAKTPAAAA AAYGSGFAPA  
SANHKSGSYP APSPCHETFT VGVNRPSHRP AAPRLLPPL SPCYGPLKVG DTNPSCGHPE  
VGRLGAGPAL YPPPEGQVCN ALDSLDDNT QLDFVAILDE AQGLSPPLSH EQGDSSKNTP  
SPSGPPNMAV GNMSVLLGSL PGETQFLNSS A **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:	<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>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	GLI1
Alternative Name:	Gli1 ( <a href="#">GLI1 Products</a> )
Background:	Zinc finger protein GLI1 (Glioma-associated oncogene homolog),FUNCTION: Acts as a

## Target Details

	transcriptional activator. Binds to the DNA consensus sequence 5'-GACCACCCA-3'. Regulates the transcription of specific genes during normal development. Plays a role in craniofacial development and digital development, as well as development of the central nervous system and gastrointestinal tract. Mediates SHH signaling. Plays a role in cell proliferation and differentiation via its role in SHH signaling. {ECO:0000250 UniProtKB:P08151}.
Molecular Weight:	118.6 kDa
UniProt:	<a href="#">P47806</a>
Pathways:	<a href="#">Hedgehog Signaling</a> , <a href="#">Dopaminergic Neurogenesis</a>

## 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