Datasheet for ABIN7563627

GLI2 Protein (AA 1-1544) (His tag)

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Overview

Quantity:	1 mg
Target:	GLI2
Protein Characteristics:	AA 1-1544
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GLI2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Gli2 Protein expressed in mammalian cells.
Sequence:	METSAPAPAL EKKEAKSGLL EDSSFPDPGK KACPLAVAAA VAAHGVPQQL LPAFHAPLPI DMRHQEGRYH YDPHSVHSVH GPPTLSGSPV ISDISLIRLS PHPAGPGESP FSAHHPYVNP HMEHYLRSVH SSPTLSMISA ARGLSPADVA HEHLKERGLF SLAAPGTNPS DYYHQMTLMA SHPTPYGDLL MQSGGAASAP HLHDYLNPVD ASRFSSPRVT PRLSRKRALS ISPLSDASLD LQRMIRTSPN SLVAYINNSR SSSAASGSYG HLSAGALSPA FTFPHPINPV AYQQILSQQR GLGSAFGHTP PLIQPSPTFL AQQPMTLTSI STMPTQLSSS SSNCLNDANQ NKQNSESAVS STVNPITIHK RSKVKTEAEG LRPASPLGLT QEQLADLKED LDRDDCKQEA EVVIYETNCH WADCTKEYDT QEQLVHHINN EHIHGEKKEF VCRWQACTRE QKPFKAQYML VVHMRRHTGE KPHKCTFEGC SKAYSRLENL KTHLRSHTGE KPYVCEHEGC NKAFSNASDR AKHQNRTHSN EKPYICKIPG CTKRYTDPSS LRKHVKTVHG PDAHVTKKQR NDVHVRAPLL KENGDNEASA EPGGRGPEES VEASSTSHTV EDCLHIKAIK TESSGLCQSS PGAQSSCSSE PSPLGSAPNN DSGMEMPGTG PGSLGDLTAL ADTCPGADTS ALAAPSTGGL QLRKHMSTVH RFEQLKREKL

	KSLKDSCSWA GPAPHTRNTK LPPLPVNGSV LENFNNTGGG GPAGLLPSQR LPELTEVTML SQLQERRDSS TSTMSSAYTV SRRSSGISPY FSSRRSSEAS PLGGLRPHNA SSADSYDPIS TDASRRSSEA SQCSGGGPGL LNLTPAQQYN LRAKYAAATG GPPPTPLPGL DRVSLRTRLA LLDAPERALP GACPHPLGPR RGSDGPTYSH GHGHGYAGAA PAFPHEGPNS STRRASDPVR RPDPLILPRV QRFHSTHNMN PGSLPPCADR RGLHVQSHPS VDSNLTRNAY SPRPPSINEN VVMEAVAAGV DGPGLECDLG LVEDELVLPD DVVQYIKAHT GGTLDDGIRQ GYPTEGTGFP ENSKLPSPGL QGHRRLAAAD SNMGPSAPGL GGCQLSYSPS SNLNKSNMPV QWNEVSSGTV DALPTQVKPP PFPHSNLAVV QQKPAFGQYP GYNPQSVQSS SGGLDSTQPH LQLRGAPSAS RGSYTQQPRQ PAAGSQCLGM SAAMSPQASY SQAHPQLSPN IVSGSLNQFS PSCSNMAAKP SHLGLPQQME VVPNATIMNG HQREHGVPNS SLAAVSQPHP VLSYPQQDSY QQGSNLLSSH QPGFMESQQN AGFGLMQPRP PLEPNTASRH RGVRSGQQQL YARTTGQAMV TSANQETAEA MPKGPAGTMV SLAPQPSQDT GRAQDQNTLY YYGQIHMYEQ NGGCPAVQPQ PPQPQACSDS IQPEPLPSPG VNQVSSTVDS QLLEPPQIDF DAIMDDGDHS SLFSGALSPT LLHNLSQNSS RLTTPRNSLT LPSIPAGISN MAVGDMSSML TSLAEESKFL NMMT **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:	GLI2
Alternative Name:	Gli2 (GLI2 Products)
Background:	Zinc finger protein GLI2 (Tax helper protein),FUNCTION: Functions as a transcription regulator in the hedgehog (Hh) pathway (PubMed:9006072). Functions as a transcriptional activator (PubMed:10806483). May also function as transcriptional repressor (PubMed:10433919). Requires STK36 for full transcriptional activator activity (PubMed:10806483). Binds to the DNA sequence 5'-GAACCACCCA-3' which is part of the TRE-2S regulatory element (By similarity). Is involved in the smoothened (SHH) signaling pathway (PubMed:10433919). Required for normal skeleton development (PubMed:9006072). {ECO:0000250|UniProtKB:P10070, ECO:0000269|PubMed:10806483, ECO:0000269|PubMed:9006072, ECO:0000305|PubMed:10433919}.
Molecular Weight:	165.0 kDa
UniProt:	Q0VGT2
Pathways:	Hedgehog Signaling, Dopaminergic Neurogenesis

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

