

Recombinant Human GLI1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GLI1-598H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLI1 MS Standard C13 and N15-labeled recombinant protein (NP_005260) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the Kruppel family of zinc finger proteins. The encoded transcription factor is activated by the sonic hedgehog signal transduction cascade and regulates stem cell proliferation. The activity and nuclear localization of this protein is negatively regulated by p53 in an inhibitory loop. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	117.9 kDa
AA Sequence	MFNSMTPPPISSYGEPCCLRPLPSQGAPSVGTEGLSGPPFCHQANLMSGPHSYGP ARETNSCTEGPLFSSPRSAVKLTKKRALSISPLSDASLDLQTVIRTSPSSLVAFINSRC TSPGGSYGHLSIGTMSPSLGFPAQMNHQKGSPSPSGVQPCGPHDSARGGMIPHPQ SRGPFPTCQLKSELDMLVGKCREEPLEGDMSSPNSTGIQDPLLGMLDGREDLEREE KREPESVYETDCRWDGCSQEFDSQEQLVHHINSEHIHGERKEFVCHWGGCSREL PFAQYMLVVHMRRHTGEKPHKCTFEGCRKSYSRLENLKTHLRSHTGEKPYMCEH EGCSKAFSNASDRAKHQNRTHSNEKPYVCKLPGCTKRYTDPSSLRKHVKTVHGPD AHVTKRHRGDGPLPRAPSISTVEPKREREGGPIREESRLTVPEGAMKPQPSGAQS

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SCSSDHSPAGSAANTDSGVEMTGNAGGSTEDLSSLDEGPCIAGTGLSTLRRLENLR
LDQLHQLRPIGTRGLKLPSLSHTGTTVSRRVGPPVSLERRSSSSSSISSAYTVSRRS
SLASFPFPGSPENGASSLPGLMPAQHYLLRARYASARGGGTSPTAASSLDRIGGL
PMPPWRSRAEYPGYNPAGVTRRASDPAQAADRPAPARVQRFKSLGCVHTPPTV
AGGGQNFDPYLPTSVYSPQPPSITENAAMDARGLQEEPEVGTSMTVGSLNPYMDF
PPTDTLGYYGPEGAAAEPYGARGPGSLPLGPGPPTNYGPNPCPQQASYPDPTQET
WGEFPSHSGLYPGPKALGGTYSQCPRLEHYGQVQVKPEQGCPVGS DSTGLAPCL
NAHPSEGPPHPQPLFSHYPQPSPPQYLQSGPYTQPPPDYLPSEPRPCLDFD SPHTS
TGQLKAQLVCNYVQSQQELLWEGGGREDAPAQEPSYQSPKFLGGSQVSPSRAKA
PVNTYGPFGPNLPHKSGSYPTPSPCHENFVVGANRASHRAAAPRLLPPLPTCY
GPLKVGGTNPSCGHPEVGRLGGGPALYPPPEGQVCNPLDSL DLDNTQLDFVAILDE
PQGLSPPPSHDQRGSSGHTPPPSGPPNMAVGNMSVLLRSLPGETEFLNSSATRTR
PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GLI1 GLI family zinc finger 1 [Homo sapiens (human)]

Official Symbol GLI1

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Synonyms	GLI1; GLI family zinc finger 1; GLI, glioma associated oncogene family zinc finger 1, glioma associated oncogene homolog 1 (zinc finger protein); zinc finger protein GLI1; oncogene GLI; glioma-associated oncogene 1; glioma-associated oncogene homolog 1 (zinc finger protein); GLI;
Gene ID	2735
mRNA Refseq	NM_005269
Protein Refseq	NP_005260
MIM	165220
UniProt ID	P08151
SDS-PAGE	