

Recombinant Full Length Human GLIS3 Protein, GST-tagged

Cat. No. GLIS3-5334HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human GLIS3 full-length ORF (ABZ92210.1, 1 a.a. - 774 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 774 amino acids |
| Description | This gene is a member of the GLI-similar zinc finger protein family and encodes a nuclear protein with five C2H2-type zinc finger domains. This protein functions as both a repressor and activator of transcription and is specifically involved in the development of pancreatic beta cells, the thyroid, eye, liver and kidney. Mutations in this gene have been associated with neonatal diabetes and congenital hypothyroidism (NDH). Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only two have been determined. [provided by RefSeq] |
| Molecular Mass | 85.2 kDa |
| AA Sequence | MVQRLGLISPPASQVSTACNQISPSLQRAMNAANLNIPPSDTRSLISRESLASTTSL TESQSASSMKQEWSQGYRALPSLSNHGSQNGLDLGDLLSLPPGTSMSSNSVSNL PSYLFGTESHSPPYSPRHSSTRSHSARSKKRALSLSPSLSDGIGIDFNTIIRTSPTSLV AYINGSRASPANLSPQPEVYGHFLGVRGSCIPQPRPVPGSQKGVLVAPGGLALPAY GEDGALEHERMQQLEHGGLQPGLVNHMVVQHGLPGPDSQPAGLFKTERLEEFPG |

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STVDLPPAPPLPPLPPPQGPYPYHAHAHLHHPHELGPHAQQLALPQATLDDDDGEMD
 GIGGKH CYR WIDCSALYDQQEELVRHIEKVHIDQRKGEDFTCFWAGCPRRYKPFNA
 RYKLLIHM RVHSGEKPNKCTFEGCEKAFSRLENLKIHLRSHTGEKPYLCQH PGCQKA
 FSNSSDRAKHQRTHLDTKPYACQIPGCTKRYTDPSSLRKHVKAHSSKEQQARKKLR
 SSTEVHPDLLTDCLTVQSLQPATSPRDAAAEGTVGRSPGPGPDLYSAPIFSSNYSSR
 SGTAAGAVPPHPVSHPSPGHNVQGSHPNPSSQLPPLTAVDAGAERFAPSAPSPH
 HISPRRV PAPSILQRTQPPYTQQPSGSHLKSYPETNSSFQPNGIHVHGFGQLQ
 KFCPPHY PDSQRIVPPVSSCSVVP SFEDCLVPTSMGQASFDV FHRAFSTHSGITVYD
 LPSSSSSLFGESLRSGAEDATFLQISTVDRCPSQLSSVYTEG

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| Applications | Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array |
| Notes | Best use within three months from the date of receipt of this protein. |
| Storage | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| Storage Buffer | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

GENE INFORMATION

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| Gene Name | GLIS3 GLIS family zinc finger 3 [Homo sapiens] |
| Official Symbol | GLIS3 |
| Synonyms | GLIS3; GLIS family zinc finger 3; zinc finger protein 515, ZNF515; zinc finger protein GLIS3; MGC33662; OK/KNS-cl.4; GLI-similar 3; zinc finger protein 515; ZNF515; FLJ38999; FLJ90578; |



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| Gene ID | 169792 |
| mRNA Refseq | NM_001042413 |
| Protein Refseq | NP_001035878 |
| MIM | 610192 |
| UniProt ID | Q8NEA6 |

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