

Recombinant Full Length Human FOXN1 Protein, GST-tagged

Cat. No. FOXN1-5099HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FOXN1 full-length ORF (AA146540.1, 1 a.a. - 648 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	648 amino acids
Description	Mutations in the winged-helix transcription factor gene at the nude locus in mice and rats produce the pleiotropic phenotype of hairlessness and athymia, resulting in a severely compromised immune system. This gene is orthologous to the mouse and rat genes and encodes a similar DNA-binding transcription factor that is thought to regulate keratin gene expression. A mutation in this gene has been correlated with T-cell immunodeficiency, the skin disorder congenital alopecia, and nail dystrophy. Alternative splicing in the 5' UTR of this gene has been observed. [provided by RefSeq]
Molecular Mass	98.23 kDa
AA Sequence	MVSLPPPQSDVTLPGPTRLEGERQGDLMQAPGLPGSPAPQSKHAGFSCSSFVSDG PPERTPSLPPHSPRIASPGPEQVQGHCPAGPGPGPFRLSPSDKYPGFGFEEAAASS PGRFLKGSHAPFHPYKRPFHEDVFPEAETTLALKGHSFKTPGPLEAFEEIPVDVAEA EAFLPGFSAEAWCNGLPYPSQEHPQVLGSEVKVKPPVLESGAGMFCYQPPLQHM YCSSQPPFHQYSPGGGSYPIPYLGSSHYQYQRMAPQASTDGHQPLFPKPIYSYILI

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FMALKNSKTGSLPVSEIYNFMTEHFPYFKTAPDGWKNSVRHNLSLNKCFEKVENKS
 GSSSRKGCLWALNPAKIDKMQEELQKWKRKDPIAVRKSMAPKEELDSLIGDKREKL
 GSPLLGCPPPGLSGSGPIRPLAPPAGLSPPLHSLHPAGPIPGKNPLQDLLMGHTPS
 CYGQTYLHLSPGLAPPGPPQPLFPQPDGHLELRAQPGTPQDSPLPAHTPPSHSAKL
 LAEPPARTMHDTLLPDGDLGTDLDAINPSLTDFDFQGNLWEQLKDDSLALDPLVLV
 TSSPTSSSMPPPQPPPHCFPPGPCLTETGSGAGDLAAPGSGGSGALGDLHLTTLYS
 AFMELEPTPPTAPAGPSVYLSPSSKPVALA

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

Gene Name

FOXN1 forkhead box N1 [Homo sapiens]

Official Symbol

FOXN1

Synonyms

FOXN1; forkhead box N1; RONU, Rowett nude, WHN, winged helix nude; forkhead box protein N1; FKHL20; Rowett nude; winged helix nude; winged-helix nude; winged-helix transcription factor nude; WHN; RONU;

Gene ID

8456

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mRNA Refseq	NM_003593
Protein Refseq	NP_003584
MIM	600838
UniProt ID	O15353

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