

Recombinant Full Length Human HIRA Protein, GST-tagged

Cat. No. HIRA-3562HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HIRA full-length ORF (NP_003316.3, 1 a.a. - 1017 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1017 amino acids
Description	This gene encodes a histone chaperone that preferentially places the variant histone H3.3 in nucleosomes. Orthologs of this gene in yeast, flies, and plants are necessary for the formation of transcriptionally silent heterochromatin. This gene plays an important role in the formation of the senescence-associated heterochromatin foci. These foci likely mediate the irreversible cell cycle changes that occur in senescent cells. It is considered the primary candidate gene in some haploinsufficiency syndromes such as DiGeorge syndrome, and insufficient production of the gene may disrupt normal embryonic development. [provided by RefSeq]
Molecular Mass	138.2 kDa
AA Sequence	MKLLKPTWVNHNGKPIFSVDIHPDGTKFATGGQGQDSGKVVWVNMSPVLQEDDEK DENIPKMLCQMDNHLACVNCVRWSNSGMYLASGGDDKLIMVWKRATYIGPSTVFG SSGKLANVEQWRCVSILRNHSGDVMVAVSPHDAWLASCSDNTVVIWNAVKFPE ILATLRGHSGLVKGLTWDPVGKYIASQADDRSLKVWRTLDWQLETSITKPFDECGGT THVLRLSWSPDGHYLVSAHAMNNSGPTAQIIEREGWKTNMDFVGHRKAVTVVKFN

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PKIFKKKQKNGSSAKPSCPYCCCAVGSKDRSLSVWLTCLKRPLVVIHELFDKSIMDIS
 WTLNGLGILVCSMDGSAFLDFSQDELGDPLSEEEKSRIHQSTYGKSLAIMTEAQLS
 TAVIENPEMLKYQRRQQQQQLDQKSAATREMGSAATSVAGVVNGESLEDIRKNLLKK
 QVETRTADGRRRITPLCIAQLDTGDFSTAFFNSIPLSGSLAGTMLSSHSSPQLPLDS
 STPNISFGASKPCTEPVVAASARPAGDSVKNKDSMNATSTPAALSPSVLTTPSKIEPMK
 AFDSRFTERSKATPGAPALTSMTPTAVERLKEQNLVKELRPRDLLESSSDSDEKVPL
 AKASSLSKRKLELEVETVEKKKKGRPRKDSRLMPVSLSVQSPAALTAEKEAMCLSAP
 ALALKLPIPSQRAFTLQVSSDPSMYIEVENEVTVVGGVKLSRLKCNREGKEWETVL
 TSRILTAAGSCDVVCVACEKRMLSVFSTCGRRLSPILLPSPISTLHCTGSYVMALTA
 AATLSVWDVHRQVVVVKEESLHSILAGSDMTVSQILLTQHGPVMNLSGKAYCFNP
 SLSTWNLVSDKQDSLACADFRSSLPSQDAMLCGPLAINIIGRTSNSGRQAARLFS
 VPHVVQETTAYLENQVAAALTQSSHEYRHWLLVYARYLVNEGFEYRLREICKDL
 LGPVHYSTGSQWESTVVGLRKRELLKELLPVIGQNLRFQRLFTECQEQLDILRDK

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 -8 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

HIRA HIR histone cell cycle regulation defective homolog A (*S. cerevisiae*) [*Homo sapiens*]

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Official Symbol	HIRA
Synonyms	HIRA; HIR histone cell cycle regulation defective homolog A (S. cerevisiae); HIR (histone cell cycle regulation defective) homolog A (S. cerevisiae) , TUPLE1; protein HIRA; DGCR1; DiGeorge critical region gene 1; TUP1; TUP1-like enhancer of split protein 1; TUPLE1;
Gene ID	7290
mRNA Refseq	NM_003325
Protein Refseq	NP_003316
MIM	600237
UniProt ID	P54198

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