

Recombinant Human HIRA Protein, GST-tagged

Cat. No. HIRA-4770H **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	Wheat Germ
Description	<p>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]</p>
Molecular Mass	138.2 kDa
AA Sequence	<p>MKLLKPTWVNHNGKPIFSVDIHPDGTKFATGGQGQDSGKVIWNMSPVLQEDDEK DENIPKMLCQMDNHLACVNCVRWSNSGMYLASGGDDKLIMVWKRATYIGPSTVFG SSGKLANVEQWRCVSILRNHSGDVMDVAWSPHDAWLASCSVDNTVVIWNAV KFPE ILATLRGHSGLVKGLTWDPVGKYIASQADDRSLKVVWRTL DWQLETSITKPFDECGGT THVLRLSWSPDGHYLVSAHAMNNSGPTAQIIEREGWKT NMDFVGHRAVTVVKFN PKIFKKKQKNGSSAKPSCPYCCCAVGSKDRSLSVWLTCLKRPLVVIHELFDKSIMDIS</p>

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WTLNGLGILVCSMDGSAFLDFSQDELGDPLSEEEKSRIHQSTYGKSLAIMTEAQLS
TAVIENPEMLKYQRRQQQQQLDQKSAATREMGSAATSVAGVVNGESLEDIRKNLLKK
QVETRTADGRRRITPLCIAQLDTGDFSTAFFNSIPLSGSLAGTMLSSHSSPQLPLDS
STPNSFGASKPCTEPVVAASARPAGDSVNKDSMNATSTPAALSPSVLTTPSKIEPMK
AFDSRFTERSKATPGAPALTSMTPTAVERLKEQNLVKELRPRDLLESSSDSDEKVPL
AKASSLSKRKLELEVETVEKKKKGRPRKDSRLMPVSLSVQSPAALTAEKEAMCLSAP
ALALKLPIPSQRAFTLQVSSDPSMYIEVENEVTVVGGVKLSRLKCNREGKEWETVL
TSRILTAAGSCDVVCVACEKRMLSVFSTCGRRLLSPILLPSPISTLHCTGSYVMALTA
AATLSVWDVHRQVVVVKEESLHSILAGSDMTVSQILLTQHGIPTVMNLSGKAYCFNP
SLSTWNLVSDKQDSLACADFRSSLPSQDAMLCGSLAIQGRSNTSGRQAARLFS
VPHVVQETTAYLENQVAAALTQSSHEYRHWLLVYARYLVNEGFEYRLREICKDL
LGPVHYSTGSQWESTVVGLRKRELLKELLPVIGQNLRFFQRLFTECQEQLDILRDK

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

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

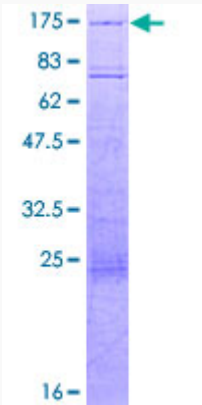
Official Symbol

HIRA

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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
Quality Control Testing	 <p>12.5% SDS-PAGE Stained with Coomassie Blue.</p>