

## Recombinant Human HIRA Protein, GST-tagged

**Cat. No.** HIRA-4770H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human HIRA full-length ORF ( NP_003316.3, 1 a.a. - 1017 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | <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> |
| <b>Molecular Mass</b>   | 138.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>MKLLKPTWVNHNGKPIFSVDIHPDGTKFATGGQGQDSGKVIWNMSPVLQEDDEK<br/> DENIPKMLCQMDNHLACVNCVRWSNSGMYLASGGDDKLIMVWKRATYIGPSTVFG<br/> SSGKLANVEQWRCVSILRNHSGDVMDVAWSPHDAWLASCSVDNTVVIWNAV KFPE<br/> ILATLRGHSGLVKGLTWDPVGKYIASQADDRSLKVVWRTLDWQLETSITKPFDECGGT<br/> THVLRLSWSPDGHYLVSAHAMNNSGPTAQIIEREGWKTNMDFVGHRAVTVVKFN<br/> PKIFKKKQKNGSSAKPSCPYCCCAVGSKDRSLSVWLTCLKRPLVVIHELFDKSIMDIS</p>                                                                                                                                                                                                                                                                                   |

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WTLNGLGILVCSMDGSAFLDFSQDELGDPLSEEEKSRIHQSTYGKSLAIMTEAQLS  
TAVIENPEMLKYQRRQQQQQLDQKSAATREMGSATSVAGVVNGESLEDIRKNLLKK  
QVETRTADGRRRITPLCIAQLDTGDFSTAFFNSIPLSGSLAGTMLSSHSSPQLPLDS  
STPNSFGASKPCTEPVVAASARPAGDSVNKDSMNATSTPAALSPSVLTTPSKIEPMK  
AFDSRFTERSKATPGAPALTSMTPTAVERLKEQNLVKELRPRDLLESSSDSDEKVPL  
AKASSLSKRKLELEVETVEKKKKGRPRKDSRLMPVSLSVQSPAALTAEKEAMCLSAP  
ALALKLPIPSQRAFTLQVSSDPSMYIEVENEVTVVGGVKLSRLKCNREGKEWETVL  
TSRILTAAGSCDVVCVACEKRMLSVFSTCGRRLLSPILLPSISTLHCTGSYVMALTA  
AATLSVWDVHRQVVVVKEESLHSILAGSDMTVSQILLTQHGIPTVMNLSGKAYCFNP  
SLSTWNLVSDKQDSLACADFRSSLPSQDAMLCGPLAIQGRTSNSGRQAARLFS  
VPHVVQQETTLAYLENQVAAAALTQSSHEYRHWLLVYARYLVNEGFEYRLREICKDL  
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 -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* ]

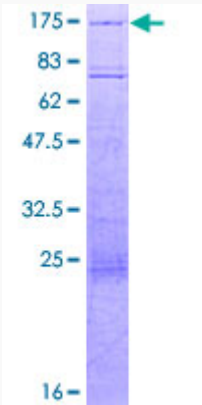
**Official Symbol**

HIRA

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|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                | HIRA; HIR histone cell cycle regulation defective homolog A ( <i>S. cerevisiae</i> ); HIR (histone cell cycle regulation defective) homolog A ( <i>S. cerevisiae</i> ) , TUPLE1; protein HIRA; DGCR1; DiGeorge critical region gene 1; TUP1; TUP1-like enhancer of split protein 1; TUPLE1; |
| <b>Gene ID</b>                 | 7290                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>             | NM_003325                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>          | NP_003316                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>                     | 600237                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>              | P54198                                                                                                                                                                                                                                                                                      |
| <b>Quality Control Testing</b> |  <p>12.5% SDS-PAGE Stained with Coomassie Blue.</p>                                                                                                                                                     |