# Recombinant Human ARID5B protein, GST-tagged

**Cat. No.** ARID5B-798H **Lot. No.** (See product label)

## SPECIFICATION

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|---|---|
| **Product Overview** | Human ARID5B partial ORF (XP_084482, 1483 a.a. - 1582 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | This gene encodes a member of the AT-rich interaction domain (ARID) family of DNA binding proteins. The encoded protein forms a histone H3K9Me2 demethylase complex with PHD finger protein 2 and regulates the transcription of target genes involved in adipogenesis and liver development. This gene also plays a role in cell growth and differentiation of B-lymphocyte progenitors, and single nucleotide polymorphisms in this gene are associated with acute lymphoblastic leukemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011] |
| **Molecular Mass** | 36.74 kDa |
| **AA Sequence** | SGLNSRLPAGYSHSLQYLKNQTVLSPLMQPLAFHSLVMQRGIFTSPTNSQQLYRHL AAATPVGSSYGDLLHNSIYPLAAINPQAAFPSSQLSSVHPSTKL |
| **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. |

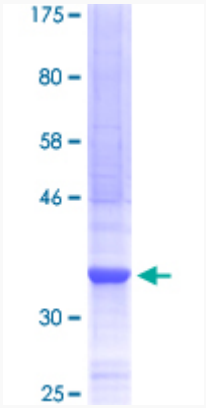
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| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | ARID5B AT rich interactive domain 5B (MRF1-like) [ Homo sapiens ] |
| **Official Symbol** | ARID5B |
| **Synonyms** | ARID5B; AT rich interactive domain 5B (MRF1-like); AT-rich interactive domain-containing protein 5B; FLJ21150; MRF2; MRF1-like protein; ARID domain-containing protein 5B; modulator recognition factor 2 (MRF2); DESRT; MRF-2; FLJ41888; |
| **Gene ID** | 84159 |
| **mRNA Refseq** | NM_001244638 |
| **Protein Refseq** | NP_001231567 |
| **MIM** | 608538 |
| **UniProt ID** | Q14865 |

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