

## Product datasheet for **AR50318PU-S**

### MRG15 (1-323, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	MRG15 (1-323, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHPMAPKQD PKPKFQEGER VLCFHGPLY EAKCVKVAIK DKQVKYFIHY SGWNKNWDEW VPESRVLYKVV DTNLQKQREL QKANQEYAE GKMRGAAPGK KTSGLQQKNV EVKTKKNKQK TPGNGDGGST SETPQPPRKK RARVDPTVEN EETFMNRVEV KVKIPEELKP WLVDWDLIT RQKQLFYLPV KKNVDSILED YANYKSRGN TDNKEYAVNE VVAGIKEYFN VMLGTQLLYK FERPQYAEIL ADHPDAPMSQ VYGAPHLRL FVRIGAMLAY TPLDEKSLAL LLNYLHDFLK YLAKNSATLF SASDYEVAPP EYHRKAV
Tag:	His-tag
Predicted MW:	39.8 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.15M NaCl, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MORF4L1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001252532</a>
Locus ID:	10933
UniProt ID:	<a href="#">Q9UBU8</a>
Cytogenetics:	15q25.1



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**Synonyms:** Eaf3; FWP006; HsT17725; MEAF3; MORFRG15; MRG15; S863-6

**Summary:** Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the mSin3A complex which acts to repress transcription by deacetylation of nucleosomal histones. Required for homologous recombination repair (HRR) and resistance to mitomycin C (MMC). Involved in the localization of PALB2, BRCA2 and RAD51, but not BRCA1, to DNA-damage foci. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

**Product images:**

