

## Recombinant Human ERG Protein (1-486 aa), His-tagged

**Cat. No.** ERG-1389H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ERG Protein (1-486 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Transcription. Protein Description: Full Length.                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 1-486 aa                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Transcriptional regulator. May participate in transcriptional regulation through the recruitment of SETDB1 histone methyltransferase and subsequent modification of local chromatin structure.                                                                                                                                                                                                                                |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 56.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | MIQTVDPAAHIKEALSVVSEDQSLFECAYGTPHLAKTEMTASSSSDYGQTSKMSPR<br>VPQQDWLSQPPARVTIKMECNPSQVNGSRNSPDECSVAKGGKMVGSPDTVGMNY<br>GSYMEEKHMPPPNMTTNERRVIVPADPTLWSTDHVRQWLEWAVKEYGLPDVNILLF<br>QNIDGKELCKMTKDDFQRLTPSYNADILLSHLHYLRETPLPHLTSDDVDKALQNSPR<br>LMHARNTGGAAFIFPNTSVYPEATQRITTRPDLPEPPRRSAWTGHGHPTPQSKAA<br>QPSPSTVPKTEDQRPQLDPYQILGPTSSRLANPGSGQIQLWQFLLELLSDSSNSSCI<br>TWEGTNGEFKMTDPDEVARRWGERKSKPNMNYDKLSRALRYYYDKNIMTKVHGK |

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|                      |                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | RYAYKFDFHGIAQALQPHPPESLYKYPSDLPYMGSYHAHPQKMNFVAPHPPALPV<br>TSSSFFAAPNPYWNSPTGGIYPNTRLPTSHMPSHLGTYY                                                                                                                                                                                                                  |
| <b>Purity</b>        | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                    |
| <b>Notes</b>         | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.                                                                                                                                                                                                        |
| <b>Storage</b>       | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| <b>Concentration</b> | A hardcopy of COA with reconstitution instruction is sent along with the products.                                                                                                                                                                                                                                  |

## GENE INFORMATION

|                        |                                                                                |
|------------------------|--------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ERG v-ets erythroblastosis virus E26 oncogene homolog (avian) [ Homo sapiens ] |
| <b>Official Symbol</b> | ERG                                                                            |
| <b>Synonyms</b>        | ERG; erg 3; p55; ets-related; erg-3;                                           |
| <b>Gene ID</b>         | 2078                                                                           |
| <b>mRNA Refseq</b>     | NM_001136154                                                                   |
| <b>Protein Refseq</b>  | NP_001129626                                                                   |
| <b>MIM</b>             | 165080                                                                         |

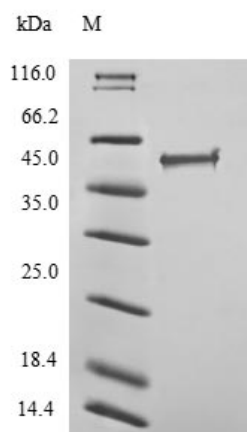
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UniProt ID

P11308



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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