

## Recombinant Human ERG protein, T7/His-tagged

**Cat. No.** ERG-210H **Lot. No.** (See product label)

### SPECIFICATION

**Product Overview** Recombinant human ERG cDNA (479aa, Isoform-I, which derived from BC040168) fused with T7-His-TEV cleavage site Tag at N-terminal and 11R tag at C-terminal was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 497 a.a.

**Form** 0.2 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.

**AA Sequence**

```
MASMTGGQQMGRGRHHHHHHENLYFQGSASTIKEALSVVSEDQSLFECAYGTPHLA
KTEMTASSSSDYGQTSKMSP RVPQQDWLSQPPARVTIKMECNPSQVNGSRNSPD
ECSVAKGGKMGVSPDTVGMNYGSYMEEKHMPPPNMTTNER VIVPADPTLWSTD
HVRQWLEWAVKEYGLPDVNILLFQNI DGKELCKMTKDDFQRLTPSYNADILLSHLHY
LRETP LPHLTSDDDVKALQNSPRLMHARNTGGAAFIFPNTSVYPEATQRITTRPDL
YEP RRS AW TGHGHP TPQSKAAQ PSPSTVPKTEDQRPQLDPYQILGPTSSRLANP
GSGQIQLWQFLLELLSDSSNSSCITWEGTNGEFKMTDPDEVAR RWGERKSKPNMN
YDKLSRALRYYYDKNIMTKVHGKRYAYKFDHFHIAQALQPHPESSLYKYPSDLPYM
GSYHAH PQKMN FVAPHP PALPVTSSSFFAAPNPYWNSPTGGIYPNTRLPTSHMPS
HLGTYYLEESGGGGSPGRRRRRRRRRR RR
```

**Purity** >90% by SDS-PAGE

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**Storage** Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

## GENE INFORMATION

**Gene Name** [ERG v-ets erythroblastosis virus E26 oncogene homolog \(avian\) \[ Homo sapiens \]](#)

**Official Symbol** [ERG](#)

**Synonyms**

ERG; v-ets erythroblastosis virus E26 oncogene homolog (avian); v ets avian erythroblastosis virus E26 oncogene related , v ets erythroblastosis virus E26 oncogene like (avian); transcriptional regulator ERG; erg 3; p55; TMPRSS2 ERG prostate cancer specific; transcriptional regulator ERG (transforming protein ERG); v ets avian erythroblastosis virus E26 oncogene related; v ets erythroblastosis virus E26 oncogene like; ets-related; TMPRSS2/ERG fusion; v-ets erythroblastosis virus E26 oncogene like; v-ets avian erythroblastosis virus E26 oncogene related; erg-3;

**Gene ID** [2078](#)

**mRNA Refseq** [NM\\_001136154](#)

**Protein Refseq** [NP\\_001129626](#)

**MIM** [165080](#)

**UniProt ID** [P11308](#)

**Chromosome Location** 21q22.3

**Pathway** Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional

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misregulation in cancer, conserved biosystem;

**Function**

DNA binding; protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;

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