

Transcriptional regulator ERG Recombinant Protein | ERG recombinant protein

Recombinant Human Transcriptional regulator ERG

CATALOG # AAA18455	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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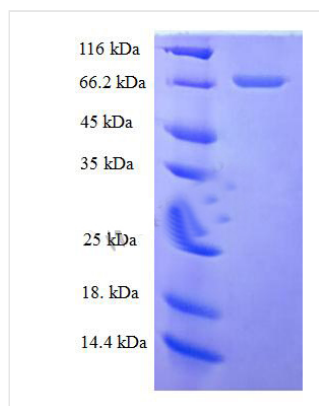
PRODUCT SYNONYMS

Transcriptional regulator ERG; Recombinant Human Transcriptional regulator ERG; Transforming protein ERG; ERG recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-486aa; Full Length of Isoform 5
Sequence	MIQTVDPAA HIKEALSVVS EDQSLFECAY GTPHLAKTEM TASSSSDYGQ TSKMSRPVPQ QDWLSQPPAR VTIKMECNPS QVNGSRNSPD ECSVAKGGKM VGSPDTVGMN YGSYMEEKHM PPPNMTTNER RVIVPADPTL WSTDHVRQWL EWAVKEYGLP DVNILLFQNI DGKELCKMTK DDFQRLTPSY NADILLSHLH YLRETPLPHL TSDDVDKALQ NSPRLMHARN TGGAAFIQPN TSVYPEATQR ITTRPDLPYE PPRRSAWTGH GHPTPQSKAA QPSPSTVPKT EDQRPQLDPY QILGPTSSRL ANPGWTQ
Sequence Length	486
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ERG recombinant protein	Transcriptional regulator. May participate in transcriptional regulation through the recruitment of SETDB1 histone methyltransferase and subsequent modification of local chromatin structure.
Product Categories/Family for ERG recombinant protein	Transcription

References	erg, a human ets-related gene on chromosome 21 alternative splicing, polyadenylation, and translation.Rao V.N., Papas T.S., Shyam E., Reddy P.Science 237:635-639(1987) The erg gene a human gene related to the ets oncogene.Reddy E.S.P., Rao V.N., Papas T.S.Proc. Natl. Acad. Sci. U.S.A. 84:6131-6135(1987) Detailed mapping of the ERG-ETS2 interval of human chromosome 21 and comparison with the region of conserved syntenly on mouse chromosome 16.Owczarek C.M., Portbury K.J., Hardy M.P., O'Leary D.A., Kudoh J., Shibuya K., Shimizu N., Kola I., Hertzog P.J.Gene 324:65-77(2004) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Differentially spliced erg-3 product functions as a transcriptional activator.Prasad D.D., Rao V.N., Lee L., Reddy E.S.Oncogene 9:669-673(1994) ERG gene is translocated in an Ewing's sarcoma cell line.Dunn T., Praissman L., Hagag N., Viola M.V.Cancer Genet. Cytogenet. 76:19-22(1994) An RNA-binding protein gene, TLS/FUS, is fused to ERG in human myeloid leukemia with t(16;21) chromosomal translocation.Ichikawa H., Shimizu K., Hayashi Y., Ohki M.Cancer Res. 54:2865-2868(1994) ELF4 is fused to ERG in a case of acute myeloid leukemia with a t(X;21) (q25-26;q22) .Moore S.D., Offor O., Ferry J.A., Amrein P.C., Morton C.C., Dal Cin P.Leuk. Res. 30:1037-1042(2006) Molecular composition of IMP1 ribonucleoprotein granules.Joeson L., Vikesaa J., Krogh A., Nielsen L.K., Hansen T., Borup R., Johnsen A.H., Christiansen J., Nielsen F.C.Mol. Cell. Proteomics 6:798-811(2007) Diversity in structure and function of the Ets family PNT domains.Mackereth C.D., Scharpf M., Gentile L.N., MacIntosh S.E., Slupsky C.M., McIntosh L.P.J. Mol. Biol. 342:1249-1264(2004)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209954797
NCBI GeneID	2078
NCBI Accession #	NP_001129626.1
NCBI GenBank Nucleotide #	NM_001136154.1
UniProt Accession #	P11308; Q16113; Q6XXX4; Q6XXX5; Q8IXK9; B4DTW5; B4E0T4
Molecular Weight	56.6 kDa
NCBI Official Full Name	transcriptional regulator ERG isoform 3
NCBI Official Synonym Full Names	v-ets avian erythroblastosis virus E26 oncogene homolog
NCBI Official Symbol	ERG
NCBI Official Synonym Symbols	p55; erg-3
NCBI Protein Information	transcriptional regulator ERG
UniProt Protein Name	Transcriptional regulator ERG
UniProt Gene Name	ERG
UniProt Entry Name	ERG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/erg-recombinant-protein-e-coli/18455>