10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ERF Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP19954b

Specification

ERF Blocking Peptide (C-term) - Product Information

Primary Accession	P50548
Other Accession	NP_006485.2

ERF Blocking Peptide (C-term) - Additional Information

Gene ID 2077

Other Names
ETS domain-containing transcription factor ERF, Ets2 repressor factor, PE-2, ERF

Target/Specificity
The synthetic peptide sequence is selected from aa 500-514 of HUMAN ERF

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ERF Blocking Peptide (C-term) - Protein Information

Name ERF

Function
Potent transcriptional repressor that binds to the H1 element of the Ets2 promoter. May regulate other genes involved in cellular proliferation. Required for extraembryonic ectoderm differentiation, ectoplacental cone cavity closure, and chorioallantoic attachment (By similarity). May be important for regulating trophoblast stem cell differentiation (By similarity).

Cellular Location
Nucleus.

Tissue Location
Highest levels in testis, ovary, pancreas, and heart.

ERF Blocking Peptide (C-term) - Protocols

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ERF Blocking Peptide (C-term) - Images

ERF Blocking Peptide (C-term) - Background

Members of the ETS family of transcription factors, such as ERF, regulate cell proliferation and differentiation. They share a highly conserved DNA-binding domain, the ETS domain, that recognizes the sequence GGAA/T (de Castro et al., 1997 [PubMed 9192842]). For further information on ETS transcription factors, see ETS1 (MIM 164720).

ERF Blocking Peptide (C-term) - References

Verykokakis, M., et al. J. Biol. Chem. 282(41):30285-30294(2007)
Hester, K.D., et al. Cell Cycle 6(13):1594-1604(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006)
Grimwood, J., et al. Nature 428(6982):529-535(2004)