Recombinant Human ets homologous factor, His-tagged

Cat. No. EHF-544H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	EHF, 1-300aa, Human His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-300 a.a.
Description	ETS homologous factor isoform 2, also known as EHF, is a distinct member of the ESE subfamily of Ets transcription factors. Ets factors constitute one important class of transcriptional regulators that play critical roles in hema-topoiesis, angiogenesis, organogenesis, oncogenesis and specification of neuronal connectivity. It is exclusively expressed in a subset of epithelial cells, with highest expression detected in glandular epithelium of the prostate, pancreas, salivary gland and trachea. EHF transactivates the c-Met promoter via three high affinity binding sites, which suggests that EHF may contribute to branching morphogenesis. Recombinant human EHF protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	37.3 kDa (323aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMILEGGG VMNLNPGNNL LHQPPAWTDS YSTCNVSSGF FGGQWHEIHP QYWTKYQVWE WLQHLLDTNQ LDANCIPFQE FDINGEHLCS MSLQEFTRAA GTAGQLLYSN LQHLKWNGQC SSDLFQSTHN

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	VIVKTEQTEP SIMNTWKDEN YLYDTNYGST VDLLDSKTFC RAQISMTTTS HLPVAESPDM KKEQDPPAKC HTKKHNPRGT HLWEFIRDIL LNPDKNPGLI KWEDRSEGVF RFLKSEAVAQ LWGKKKNNSS MTYEKLSRAM RYYYKREILE RVDGRRLVYK FGKNARGWRE NEN
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	EHF ets homologous factor [Homo sapiens]
Official Symbol	EHF
Synonyms	EHF; ets homologous factor; ETS homologous factor; epithelium specific ets factor 3; ESE3; ESE3 transcription factor; ESEJ; hEHF; ETS domain-containing transcription factor; epithelium-specific Ets transcription factor 3; ESE3B;
Gene ID	26298
mRNA Refseq	NM_001206615
Protein Refseq	NP_001193544
MIM	605439
UniProt ID	Q9NZC4

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Chromosome Location	11p12
Function	DNA binding; DNA binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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