

Recombinant Mouse ERF Protein (25-340 aa), His-SUMO-Myc-tagged

Cat. No. ERF-2404M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ERF Protein (25-340 aa) is produced by E. coli expression system. This protein is fused with a 10xHis-SUMO tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	25-340 aa
Description	Iron-regulatory hormone that acts as an erythroid regulator after hemorrhage: produced by erythroblasts following blood loss and mediates suppression of hepcidin (HAMP) expression in the liver, thereby promoting increased iron absorption and mobilization from stores. Promotes lipid uptake into adipocytes and hepatocytes via transcriptional up-regulation of genes involved in fatty acid uptake.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	53.9 kDa
AA Sequence	LGVPESAEPVGTHARPQPPGAELPAPPANSPEPTIAHAHSVDPRDAWMLFVKQSD KGINSKRRSKARRLKLGLPGPPGPPGPQGPPGPFIPSEVLLKEFQLLLKGAVRQRES HLEHCTRDLTTPASGSPSRVPAQELDSQDPGALLALLAATLAQGPRAPRVEAAFH CRLRRDVQVDRRALHELGIYYLPEVEGAHFRGPGNLNLTSGQYTAPVAGFYALAATL

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	HVALTEQPRKGPTRPRDRLRLLLICIQSLCQHNASLETVMGLENSSELF TISVNGVLYL QAGHYTSVFLDNASGSSLTVRSGSHFSAILLGL
Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	Erfe erythroferrone [<i>Mus musculus</i> (house mouse)]
Official Symbol	ERFE
Synonyms	Erfe; Fam132b; myonectin; 4832406C22;
Gene ID	227358
mRNA Refseq	NM_173395
Protein Refseq	NP_775571
UniProt ID	Q6PGN1

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