Recombinant Human HSF4

Cat. No. HSF4-29388TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human HSF4 with a N terminal proprietary tag; Predicted MWt 36.63 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	Heat-shock transcription factors (HSFs) activate heat-shock response genes under conditions of heat or other stresses. HSF4 lacks the carboxyl-terminal hydrophobic repeat which is shared among all vertebrate HSFs and has been suggested to be involved in the negative regulation of DNA binding activity. Two alternatively spliced transcripts encoding distinct isoforms and possessing different transcriptional activity have been described.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Expressed in heart, skeletal muscle, eye and brain, and at much lower levels in some other tissues.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	KVPALRGDDGRWRPEDLGRLLGEVQALRGVQESTEARLRELRQQNEILWREVVTL RQSHGQQHRVIGKLIQCLFGPLQAGPSNAGGKRKLSLMLDEGSSC
Sequence Similarities	Belongs to the HSF family.

GENE INFORMATION

Gene Name	HSF4 heat shock transcription factor 4 [Homo sapiens]
Official Symbol	HSF4
Synonyms	HSF4; heat shock transcription factor 4; cataract, Marner , CTM; heat shock factor protein 4;
Gene ID	3299
mRNA Refseq	NM_001040667
Protein Refseq	NP_001035757
MIM	602438
Uniprot ID	Q9ULV5
Chromosome Location	16q21

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Function	sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; transcription corepressor activity;

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