

Recombinant Human ABCF1, His-tagged

Cat. No. ABCF1-26041TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 474-807 of Human ABCF1 isoform 2, with a N terminal His tag; predicted MWt 39 kDa:
Species	Human
Source	E.coli
ProteinLength	474-807 a.a.
Description	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the GCN20 subfamily. Unlike other members of the superfamily, this protein lacks the transmembrane domains which are characteristic of most ABC transporters. This protein may be regulated by tumor necrosis factor-alpha and play a role in enhancement of protein synthesis and the inflammation process.
Conjugation	HIS
Tissue specificity	Ubiquitous.
Form	Lyophilised:Reconstitution with 95 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium

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	phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	DDVCTDIIHLDAQRLHYRGNMTFKKMYQQKQKELLKQY EKQEKKLKEKAGGKS TKQAEKQTKEALTRKQQKCRRK NQDEESQEAPELLKRPKEYTVRFTFPDPPPLSPP VLGL HGVTFGYQGQKPLFKNLDFGIDMDSRICIVGPNVGKSTL LLLLTGKLTPTHG EMRKNHRLKIGFFNQYAEQLRMEE TPTEYLQRGFNLPYQDARKCLGRFGLESHA HTIQICKL SGGQKARVVFAELACREPDVLILDEPTNNLDIESIDALGEAINEYKGAVIV VSHDARLITETNCQLWVVEEQSVSQID GDFEDYKREVLALGEVMVSRPRE
Sequence Similarities	Belongs to the ABC transporter superfamily. ABCF family. EF3 subfamily. Contains 2 ABC transporter domains.

GENE INFORMATION

Gene Name	ABCF1 ATP-binding cassette, sub-family F (GCN20), member 1 [Homo sapiens]
Official Symbol	ABCF1
Synonyms	ABCF1; ATP-binding cassette, sub-family F (GCN20), member 1; ABC50; ATP-binding cassette sub-family F member 1; EST123147;
Gene ID	23
mRNA Refseq	NM_001025091
Protein Refseq	NP_001020262
MIM	603429

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Uniprot ID	Q8NE71
Chromosome Location	6p21.33
Function	ATP binding; ATP binding; ATPase activity; nucleotide binding; protein binding;

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