Recombinant Full Length Human EFHD1 Protein, GST-tagged

Cat. No. EFHD1-4213HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human EFHD1 full-length ORF (AAH04128.2, 1 a.a. - 239 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	239 amino acids
Description	This gene encodes a member of the EF-hand super family of calcium binding proteins, which are involved in a variety of cellular processes including mitosis, synaptic transmission, and cytoskeletal rearrangement. The protein encoded by this gene is composed of an N-terminal disordered region, proline-rich elements, two EF-hands, and a C-terminal coiled-coil domain. This protein has been shown to associate with the mitochondrial inner membrane, and in HeLa cells, acts as a novel mitochondrial calcium ion sensor for mitochondrial flash activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]
Molecular Mass	53.4 kDa
AA Sequence	MASEELACKLERRLRREEAEESGPQLAPLGAPAPEPKPEPEPPARAPTASADAELS AQLSRRLDINEGAARPRRCRVFNPYTEFPEFSRRLIKDLESMFKLYDAGRDGFIDLM ELKLMMEKLGAPQTHLGLKSMIKEVDEDFDGKLSFREFLLIFHKAAAGELQEDSGLM ALAKLSEIDVALEGVRGAKNFFEAKVQALSSASKFEAELKAEQDERKREEEERRLRQ AAFQKLKANFNT

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	EFHD1 EF-hand domain family, member D1 [Homo sapiens]
Official Symbol	EFHD1
Synonyms	EFHD1; EF-hand domain family, member D1; EF hand domain containing 1; EF-hand domain-containing protein D1; FLJ13612; swiprosin-2; EF-hand domain-containing protein 1; SWS2; MST133; PP3051; MSTP133; DKFZp781H0842;
Gene ID	80303
mRNA Refseq	NM_001243252
Protein Refseq	NP_001230181
MIM	611617
UniProt ID	Q9BUP0

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