

Recombinant Full Length Human ERVFRD-1 Protein, GST-tagged

Cat. No. ERVFRD-1-4694HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ERVFRD-1 full-length ORF (AAH68585.1, 1 a.a. - 538 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	538 amino acids
Description	Many different human endogenous retrovirus (HERV) families are expressed in normal placental tissue at high levels, suggesting that HERVs are functionally important in reproduction. This gene is part of a human endogenous retrovirus provirus on chromosome 6 that has inactivating mutations in the gag and pol genes. This gene is the envelope glycoprotein gene which appears to have been selectively preserved. The gene's protein product plays a major role in placental development and trophoblast fusion. The protein has the characteristics of a typical retroviral envelope protein, including a cleavage site that separates the surface (SU) and transmembrane (TM) proteins which form a heterodimer. [provided by RefSeq, Jun 2012]
Molecular Mass	85.9 kDa
AA Sequence	MGLLLLVLILTPSLAAYRHPDFPLLEKAQQLLQSTGSPYSTNCWLCTSSSTETPGTAY PASPREWTSIEAELHISYRWDPNLKGLMRPANSLLSTVKQDFPDIRQKPPIFGPIFTNI

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NLMGIAPICVMAKRKNGTNVGTL PSTVCNVFTFTVDSNQQT YQTYTHNQFRHQPRFP
KPPNITFPQGTLLDKSSRFCQGRPSSCSTRNFWFRPADYNQCLQISNLSSTA EWVL
LDQTRNSLFWENKTKGANQSQT PCVQVLAGMTIATSYLGISAVSEFFGTS LTPLFHF
HISTCLKTQGA FYICGQSIHQCLPSNWTGTCTIGYVTPDIFIAPGNLSLPIPIYGNSPLP
RVRRAIHFIPLLAGLGILAGTGTGIAGITKASLTYSQLSKEIANNIDTMAKALTTMQEQI
DSLAAVVLQNNRRGLDMLTAAQG GICLALDEKCCFWVNQSGKVQDNIRQLLNQASSL
RERATQGWLNWEGTWKWF SWVLPLTGPLVSLLLLLLFGPCLLNLTQFVSSRLQAIK
LQTNLSAGRHPRNIQESPF

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**

ERVFRD-1 endogenous retrovirus group FRD, member 1 [Homo sapiens]

Official Symbol

ERVFRD-1

Synonyms

ERVFRD-1; endogenous retrovirus group FRD, member 1; HERV-FRD_6p24.1 provirus ancestral Env polyprotein; envFRD; ERVFRDE1; HERV FRD; HERV W/FRD; syncytin 2; envelope polyprotein; endogenous retrovirus group FRD member 1; HERV-FRD provirus ancestral Env polyprotein; UNQ6191; GLLL6191; HERV-FRD; HERV-W/FRD; FLJ41944; FLJ90611; MGC87585;

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Gene ID	405754
mRNA Refseq	NM_207582
Protein Refseq	NP_997465
MIM	610524
UniProt ID	P60508

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