

Recombinant Human ERVFRD-1 Protein, GST-tagged

Cat. No. ERVFRD-1-3492H **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	Wheat Germ
ProteinLength	1-538 a.a.
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 NLMGIAPICVMAKRKNGTNGVGLPSTVCNVTFTVDSNQQTQTYQTYTHNQFRHQPRFP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



KPPNITFPQGTLLDKSSRFCQGRPSSCSTRNFWFRPADYNQCLQISNLSSTAEWVL
LDQTRNSLFWENKTKGANQSQTPCVQVLAGMTIATSYLGISAVSEFFGTSLTPLFHF
HISTCLKTQGAFYICGQSIHQCLPSNWTGTCTIGYVTPDIFIAPGNLSLPIPIYGNSPLP
RVRRAIHFIPLLAGLGILAGTGTGIAGITKASLTYSQLSKEIANNIDTMAKALTTMQEQI
DSLA AVLQNRRGLDMLTAAQGGICLALDEKCCFWVNQSGKVQDNIRQLLNQASSL
RERATQGWLNWEGTWKWFSWVLPLTGPLVSLLLLLLFGPCLLNLTQFVSSRLQAIK
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

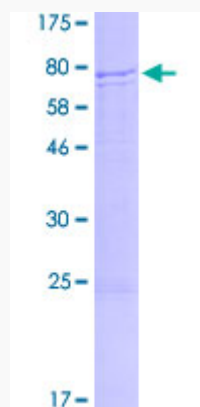
mRNA Refseq NM_207582

Protein Refseq NP_997465

MIM 610524

UniProt ID P60508

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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