

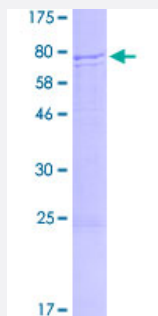
Full-Length

ERVFRD-1 (Human) Recombinant Protein (P01)

Catalog # H00405754-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ERVFRD-1 full-length ORF (AAH68585.1, 1 a.a. - 538 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGLLLLVLILTPSLAAYRHPDFPLLEKAQQLLQSTGSPYSTNCWLCTSSSTETPGTAYPASPREWT
SIEAELHISYRWDPNLKGLMRPANSLLSTVKQDFDIRQKPPIFGPIFTNINLMGIAPICVMAKRKNGT
NVGTLPSTVCNVFTVDSNQQTYQTYTHNQFRHQPRFPKPPNITFPQGTLLDKSSRFCQGRPSSC
STRNFWFRPADYNQCLQISNLSSTA EWVLLDQTRNSLFWENKTKGANQSQTPCVQVLAGMTIAT
SYLGISAVSEFFGTS LPLFHFHISTCLKTQGA FYCGQSIHQCLPSNWTGTCTIGYVTPDIFIAPGNL
SLPIPIYGN SPLPRVRAIHFIPLLAGLGILAGTGTGIAGITKASLTYSQLSKEIANNIDTMAKALTTMQE
QIDSLAAVVLQNRRLDMLTAAQGGICLALDEKCCFWVNQSGKVQDNIRQLLNQASSLRERATQ
GWLNWEGTWKWF SWVPLPTGPLVSLLLLLLFGPCLLNLTQFVSSRLQAIKLQTNLSAGRHPRIQ
ESPF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

85.9

Interspecies Antigen Sequence

Mouse (31)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ERVFRD-1

Entrez GeneID	405754
GeneBank Accession#	BC068585.1
Protein Accession#	AAH68585.1
Gene Name	ERVFRD-1
Gene Alias	UNQ6191/PRO20218, ERVFRDE1, GLLL6191, HERV-FRD, HERV-W/FRD, UNQ6191, envFRD
Gene Description	endogenous retrovirus group FRD, member 1
Omim ID	610524
Gene Ontology	Hyperlink
Gene Summary	Human endogenous retroviruses (HERVs) make up approximately 8% of the human genome. Although most HERVs are nonfunctional, the HERV-W (ERVWE1; MIM 604659) and HERV-FRD envelope (env) proteins can induce cell-cell fusion when expressed in cells possessing appropriate receptors (Blaise et al., 2003 [PubMed 14557543]).[supplied by OMIM]
Other Designations	HERV-FRD provirus ancestral Env polyprotein; HERV-FRD_6p24.1 provirus ancestral Env polyprotein; endogenous retrovirus group FRD member 1; envelope polyprotein; syncytin 2