



Recombinant Human HAVCR1 Fc-Fusion Protein

Cat No: Pr00237-10.9

Product Summary

Description: Recombinant human HAVCR1 Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Human HAVCR1

Fc domain: Human IgG1

Structure / Form: Disulfide-linked homodimer

Species: Human

Construct Design Note(s): The extracellular domain of HAVCR1 has been fused to the Fc domain of human IgG1.

Host: HEK293

UniProt Accession Number: Q96D42

Alternative Description: Hepatitis A virus cellular receptor 1, HAVcr-1, Kidney injury molecule 1, KIM-1, T-cell immunoglobulin and mucin domain-containing protein 1, TIMD-1, T-cell immunoglobulin mucin receptor 1, TIM, TIM-1, T-cell membrane protein 1; HAVCR1-Ig; HAVCR1-Fc chimera; HAVCR1 (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: May play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4 (By similarity). May play a role in kidney injury and repair. Acts as a receptor for Hepatitis A virus. Acts as a receptor for Ebolavirus and Marburg virus by binding exposed phosphatidyl-serine at the surface of virion membrane. Acts as a receptor for Dengue virus by binding exposed phosphatidyl-serine at the surface of virion membrane. The extracellular part of the protein can be cleaved and detected in urine and is in correlation with the expression in the kidney [Uniprot].

Product Form

Purification: IMAC purified

Supplied in: 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

Endotoxin: <1.0 EU/mg

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Storage Recommendation: Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

SDS PAGE Purity: >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

Fc-Fusion Sequence (monomer)

SVKVGGEAGPSVTLPCHYSGAVTSMCWNRGSCSLFTCQNGIVWTNGTHVTYRKDTRYKLLGLSRRDVSLTIENTAV
SDSGVYCCRVEHRGWFNDMKITVSLEIVPPKVTTPPIVTTVPTVTTVRTSTTVPTTTTVPTTTVPTTMSIPTTTTLTTMT
VSTTTSVPTTTSIPTTTSVPVTTTVSTFVPPMPLPRQNHEPVATSPSSPQPAETHPTTLQGAIRREPTSSPLYSYTTDGN
DTVTESSDGLWNNNQTLFLEHSLLTANTTKGGGGSEPKSQDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRT
PEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIE
KTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTV
DKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

Calculated Molecular weight (dimer): 112768.28 Da

Extinction coefficient: 134500 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

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