

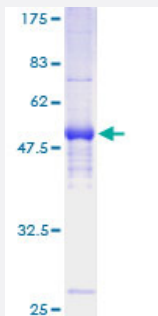
Full-Length

PILRA (Human) Recombinant Protein (P01)

Catalog # H00029992-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PILRA full-length ORF (AAH17812, 1 a.a. - 226 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGRPLLLPLLPLLPPAFLQPSGSTGSGPSYLYGVTQPKHLSASMGGSV EIPFSFYYPWELATAP
DVRISWRRGHFHGQSFYSTRPPSIHKDYVNRFLNWTEGQKSGFLRISNLQKQDQSVYFCRVELD
TRSSGRQQWQSIEGTKLSITQQQRTKATTPAREPFQNT EEPYENIRNEGQNTDPKLNPKLHLTQS
TSQPPSPQEPPERDPVLCLKGLTNGQPSQD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

50.6

Interspecies Antigen Sequence

Mouse (44)

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 — PILRA

Entrez GeneID [29992](#)

GeneBank Accession# [BC017812](#)

Protein Accession# [AAH17812](#)

Gene Name PILRA

Gene Alias FDF03

Gene Description paired immunoglobulin-like type 2 receptor alpha

Omim ID [605341](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Cell signaling pathways rely on a dynamic interaction between activating and inhibiting processes . SHP-1-mediated dephosphorylation of protein tyrosine residues is central to the regulation of several cell signaling pathways. Two types of inhibitory receptor superfamily members are immunoreceptor tyrosine-based inhibitory motif (ITIM)-bearing receptors and their non-ITIM-bearing, activating counterparts. Control of cell signaling via SHP-1 is thought to occur through a balance between PILRalpha-mediated inhibition and PILRbeta-mediated activation. These paired immunoglobulin-like receptor genes are located in a tandem head-to-tail orientation on chromosome 7. This particular gene encodes the ITIM-bearing member of the receptor pair, which functions in the inhibitory role. Alternative splicing has been observed at this locus and three variants, each encoding a distinct isoform, are described. [provided by RefSeq]

Other Designations

cell surface receptor FDF03|inhibitory receptor PILRalpha|paired immunoglobulin-like receptor alpha|paired immunoglobulin-like receptor alpha|paired immunoglobulin-like type 2 receptor alpha