# Recombinant Human PILRA cell lysate

**Cat. No.** PILRA-001HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human PILRA derived in Human Cells. The whole cell lysate is provided in 1X Sample Buffer. |
| **Species** | Human |
| **Source** | Human Cells |
| **Preparation method** | Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer with cocktail of protease inhibitors. Cell debris was removed by centrifugation and then centrifuged to clarify the lysate. The cell lysate was boiled for 5 minutes in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized. |
| **Lysis buffer** | Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF |
| **Quality control Testing** | 12.5% SDS-PAGE Stained with Coomassie Blue |
| **Recommended Usage** | 1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.2. Re-dissolve the pellet using 200μL pure water and boiled for 2-5 min.3. Store it at -80°C. Recommend to aliquot the cell lysate into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.Notes:The lysate is ready to load on SDS-PAGE for Western blot application. If dissociating conditions are required, add |

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| | reducing agent prior to heating. |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -80°C |
| **Storage Buffer** | 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF |
| **Storage Instruction** | Lysate samples are stable for 12 months from date of receipt when stored at -80°C. Avoid repeated freeze-thaw cycles. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes. |

## GENE INFORMATION

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| **Gene Name** | PILRA paired immunoglobin-like type 2 receptor alpha [ Homo sapiens ] |
| **Official Symbol** | PILRA |
| **Synonyms** | PILRA; paired immunoglobin-like type 2 receptor alpha; paired immunoglobulin-like type 2 receptor alpha; FDF03; cell surface receptor FDF03; inhibitory receptor PILR-alpha; |
| **Gene ID** | 29992 |
| **mRNA Refseq** | NM_013439 |
| **Protein Refseq** | NP_038467 |
| **MIM** | 605341 |
| **UniProt ID** | Q9UKJ1 |

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| **Chromosome Location** | 7q22.1 |
| **Pathway** | Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; |
| **Function** | protein binding; receptor activity; |

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