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## Datasheet for ABIN7319539 LILRA5 Protein (His tag)

### Overview

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Quantity:                     | 50 µg                                         |
| Target:                       | LILRA5                                        |
| Origin:                       | Human                                         |
| Source:                       | Human Cells                                   |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This LILRA5 protein is labelled with His tag. |

### Product Details

|                  |                                                                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Recombinant Human LILRA5 Protein (His Tag)                                                                                                                                 |
| Sequence:        | Gly42-Arg268                                                                                                                                                               |
| Characteristics: | Recombinant Human LILRA5 Member 5 is produced by our Mammalian expression system and the target gene encoding Gly42-Arg268 is expressed with a 6His tag at the C-terminus. |
| Purity:          | > 95 % as determined by reducing SDS-PAGE.                                                                                                                                 |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method.                                                                                                                           |

### Target Details

|                   |                                                                                                                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | LILRA5                                                                                                                                                                                                                                                                         |
| Alternative Name: | LILRA5 ( <a href="#">LILRA5 Products</a> )                                                                                                                                                                                                                                     |
| Background:       | Background: Leukocyte Immunoglobulin-like Receptor Subfamily A Member 5(LILRA5) is a member of the leukocyte immunoglobulin-like receptors (LILR), comprise a family of activating and inhibitory type immunoreceptors. LILRA5 consists of a 227 amino acid (aa) extracellular |

## Target Details

domain (ECD), a 21 aa transmembrane segment, and a 10 aa cytoplasmic tail. The ECD contains two Ig-like domains and the transmembrane segment contains a positively charged aspartic acid residue which may mediate its association with the signaling molecule, FcR common gamma chain. LILRA5 is expressed by monocytes, macrophages, and neutrophils. Cross-linking of LILRA5 on monocytes induces the expression of pro-inflammatory cytokines (IL-1beta, IL-6, TNF-alpha) as well as the anti-inflammatory IL-10. It can be detected in tissues of the hematopoietic system, including bone marrow, spleen, lymph node and peripheral leukocytes. Crosslink of ILT-11 on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses.

Synonym: Leukocyte immunoglobulin-like receptor subfamily A member 5, CD85 antigen-like family member F, Immunoglobulin-like transcript 11, ILT-11, Leukocyte immunoglobulin-like receptor 9, LIR-9, CD85f, LILRA5, LILRB7,CD85F,ILT11,LILRB7,LIR-9,LIR9

|                   |          |
|-------------------|----------|
| Molecular Weight: | 26.1 kDa |
|-------------------|----------|

|          |                        |
|----------|------------------------|
| UniProt: | <a href="#">A6NI73</a> |
|----------|------------------------|

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|         |             |
|---------|-------------|
| Format: | Lyophilized |
|---------|-------------|

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Reconstitution: | Please refer to the printed manual for detailed information. |
|-----------------|--------------------------------------------------------------|

|         |                                                             |
|---------|-------------------------------------------------------------|
| Buffer: | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
|---------|-------------------------------------------------------------|

|          |                    |
|----------|--------------------|
| Storage: | 4 °C,-20 °C,-80 °C |
|----------|--------------------|

|                  |                                                                                                                                                                                                                                       |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|