

# Recombinant Human KIR2DS1 Protein (22-245 aa), His-tagged

**Cat. No.** KIR2DS1-1014H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human KIR2DS1 Protein (22-245 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Immunology. Protein Description: Partial.                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 22-245 aa                                                                                                                                                                                                                                 |
| <b>Description</b>      | Receptor on natural killer (NK) cells for HLA-C alleles. Does not inhibit the activity of NK cells.                                                                                                                                       |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 28.8 kDa                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | HEGVHRKPSLLAHPGRLVKSEETVILQCWSDVMFEHLLHREGMFNDTLRLIGEHH<br>DGVSKANFSISRMRQDLAGTYRCYGSVTHSPYQLSAPSDPLDIVIIGLYEKPSLSAQP<br>GPTVLAGENVTLSCSSRSSYDMYHLSREGEAHERRLPAGTKVNGTFQANFPLGPAT<br>HGGTYRCFGSFRDSPYEWSKSSDLLSVTGNPSNSWPSPTEPSSETGNPRHLH |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                          |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4                                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

centigrade for up to one week.

**Storage**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration**

A hardcopy of COA with concentration instruction is sent along with the products.

## GENE INFORMATION

**Gene Name**

KIR2DS1 killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 1 [ Homo sapiens ]

**Official Symbol**

KIR2DS1

**Synonyms**

KIR2DS1; CD158H; EB6ActI; EB6ActII; KIR2DL1-KIR2DS1; p50.1; CD158a;

**Gene ID**

3806

**mRNA Refseq**

NM\_014512

**Protein Refseq**

NP\_055327

**MIM**

604952

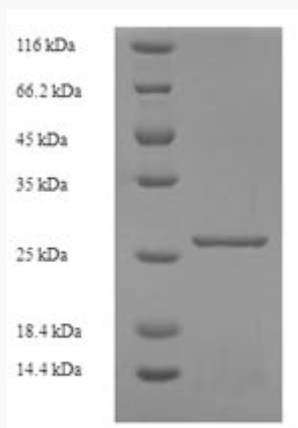
**UniProt ID**

Q14954

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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