

# Recombinant Human CD19 protein, His-tagged

**Cat. No.** CD19-25H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD19(Pro20 - Val279) fused with His tag at C-terminal was expressed in HEK293.                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 20-279 a.a.                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free).                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | Calculated molecular mass (kDa): 29.9; Estimated by SDS-PAGE under reducing condition (kDa): ~45 probably due to glycosylation                                                                                                                                                                 |
| <b>AA Sequence</b>      | PEEPLVVKVEEGDNAVLQCLKGTSDGPTQQLTWSRESPLKPFLKLSLGLPGLGIHM<br>RPLAIWLFIFNVSQQMGGFYLCQPGPPSEKAWQPGWTVNVEGSGELFRWNVSDLG<br>GLGCGLKNRSSEGPSSPSGKLMSPKLYVWAKDRPEIWEGEPPCLPPRDSLNSLS<br>QDLTMAPGSTLWLSCGVPPDSVSRGPLSWTHVHPKGPKSLLSLELKDDRPARDMW<br>VMETGLLLPRATAQDAGKYYCHRGNTMSFHLEITARPVSTGHHHHHHHHH |
| <b>Endotoxin</b>        | <0.1 EU per 1 µg of purified recombinant protein determined by the LAL method                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95% judged by SDS-PAGE under reducing condition                                                                                                                                                                                                                                               |

## GENE INFORMATION

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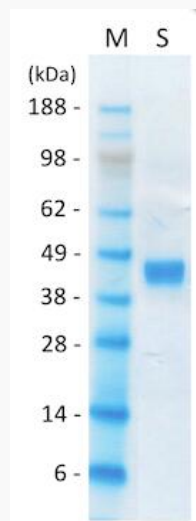
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | CD19 CD19 molecule [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | CD19                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>            | CD19; CD19 molecule; CD19 antigen; B-lymphocyte antigen CD19; differentiation antigen CD19; T-cell surface antigen Leu-12; B-lymphocyte surface antigen B4; B4; CVID3; MGC12802;                                                                                                                                                                                                                                                                                     |
| <b>Gene ID</b>             | 930                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>         | NM_001178098                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_001171569                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MIM</b>                 | 107265                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | P15391                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 16p11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Pathway</b>             | Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Hematopoietic cell lineage, organism-specific biosystem; |
| <b>Function</b>            | receptor signaling protein activity;                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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