

OriGene Technologies, Inc.

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Product datasheet for TP723149

GRO beta (CXCL2) (NM_002089) Human Recombinant Protein

Product data:

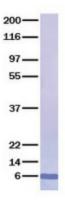
| Product Type: | Recombinant Proteins |
|--|--|
| Description: | Purified recombinant protein of Human chemokine (C-X-C motif) ligand 2 (CXCL2). |
| Species: | Human |
| Expression Host: | E. coli |
| Expression cDNA Clone or AA Sequence: | APLATELRCQ CLQTLQGIHL KNIQSVKVKS PGPHCAQTEV IATLKNGQKA CLNPASPMVK KIIEKMLKNG KSN |
| Tag: | Tag Free |
| Predicted MW: | 7.9 kDa |
| Concentration: | lot specific |
| Purity: | >95% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2 |
| Bioactivity: | Determined by its ability to chemoattract CXCR2 transfected 293 cells using a concentration range of 10.0-100.0 ng/ml. |
| Endotoxin: | Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg) |
| Storage: | Store at -80°C. |
| Stability: | Stable for at least 6 months from date of receipt under proper storage and handling conditions. |
| RefSeq: | <u>NP 002080</u> |
| Locus ID: | 2920 |
| UniProt ID: | P19875, A0A024RDD9 |
| RefSeq Size: | 1234 |
| Cytogenetics: | 4q13.3 |
| RefSeq ORF: | 321 |
| Synonyms: | CINC-2a; GRO2; GROb; MGSA-b; MIP-2a; MIP2; MIP2A; SCYB2 |



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| Summary: | This antimicrobial gene is part of a chemokine superfamily that encodes secreted proteins involved in immunoregulatory and inflammatory processes. The superfamily is divided into four subfamilies based on the arrangement of the N-terminal cysteine residues of the mature peptide. This chemokine, a member of the CXC subfamily, is expressed at sites of inflammation and may suppress hematopoietic progenitor cell proliferation. [provided by RefSeq, Sep 2014] |
| Protein Families | : Druggable Genome, Secreted Protein |
| Protein Pathwa | ys: Chemokine signaling pathway, Cytokine-cytokine receptor interaction, NOD-like receptor signaling pathway |

Product images:



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