

DATASHEET
Version 20181206**DCIP-1/CXCL3, Mouse****Cat. No.:** Z03249-1**Size:** 1.0 mg**Synonyms:** DCIP-1/CXCL3, Mouse**Description:**

Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as DCIP-1 (dendritic cell inflammatory protein-1) or MIP2b. CXCL3 controls migration and adhesion of monocytes and mediates its effect on its target cell by interacting with cell surface chemokine receptor CXCR2. It has been shown that CXCL3 regulates the migration of precursors of cerebellar granule neurons toward the internal layers of cerebellum, during morphogenesis.

Recombinant mouse DCIP-1/CXCL3 produced in CHO cells is a polypeptide chain containing 73 amino acids. A fully biologically active molecule, rmDCIP-1/CXCL3 has a molecular mass of 8 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

00001 AVVASELRQC CLNTLPRVDF ETIQSLTVTP PGPHTCTQTEV
00041 IATLKDGQEV CLNPQGPRQLQ IIAKKILKSG KSS

Source: CHO**Species:** Mouse

Biological Activity: The EC₅₀ value of mouse DCIP-1/CXCL3 on Ca²⁺ mobilization assay in CHO-K1/Ga15/mCXCR2 cells (human Ga15 and mouse CXCR2 stably expressed in CHO-K1 cells) is less than 100 ng/ml.

Molecular Weight: 8 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized after extensive dialysis against PBS.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 98% as analyzed by SDS-PAGE.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Mouse DCIP-1/CXCL3 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse DCIP-1/CXCL3 should be stable up to 1 week at 4°C or up to 2 months at -20°C.