Recombinant Swine CXCL9 protein(His Tag)

Catalog Number: PKSS000021



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms C-X-C motif chemokine 9;Gamma-interferon-induced monokine;Monokine

induced by interferon-gamma;MIG;MuMIG;Protein m119;Small-inducible cytokine

B9;Cxcl9;Mig;Scyb9

SpeciesPorcineExpression HostE.coli

 Sequence
 Thr 23-Thr 126

 Accession
 NP_001107761.2

Calculated Molecular Weight 12.9 kDa

Observed molecular weight 17-25 kDa

Tag N-His

Properties

Purity > 98 % as determined by reducing SDS-PAGE.

Endotoxin < 0.1 EU per µg of the protein as determined by the LAL method.

Storage 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.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4.

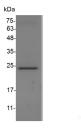
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Chemokine (C-X-C Motif) Ligand 9 (CXCL9) belongs to the intercrine alpha (chemokine CXC) family. It is secreted by interferon stimulated monocytes, macrophages and endothelial cells, which elicits chemotactic functions by interacting with the chemokine receptor CXCR3. CXCL9 acts as a Th1 (type 1 helper T) cell chemoattractant and plays a role in the growth, activation and movement of cells associated with immune and inflammatory responses, and in tumour growth inhibition. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4.

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