

Recombinant Swine CXCL9 protein(His Tag)

Catalog No. PKSS000021

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

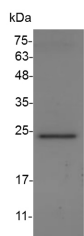
Description

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
Species	Porcine
Expression Host	E.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
Bioactivity	Not validated for activity

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

For Research Use Only

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.