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Recombinant human SF20/MYDGF protein

Catalog Number: SFT0904

PRODUCT INFORMATION

Expression system

E.coli

Domain

33-173aa

UniProt No.

O969H8

NCBI Accession No.

NP 061980

Alternative Names

Myeloid-derived growth factor, IL27, IL27w, Interleukin 27 working designation, C19orf10, R33729_1, IL25, Stromal cell derived growth factor, SF20, IL-25

PRODUCT SPECIFICATION

Molecular Weight

18 kDa (162aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

SF20/25, originally identified as a product of bone marrow-derived stromal cells, was previously thought to support proliferation of lymphoid cells and was designated as interleukin. However, this activity has not been reproducible and the function of this protein is currently unknown. Recombinant human SF20/IL25 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques, after refolding of the isolated inclusion bodies in a renaturation buffer.



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Amino acid Sequence

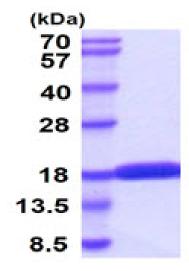
<MGSSHHHHHH SSGLVPRGSH M>SEPTTVAFD VRPGGVVHSF SHNVGPGDKY TCMFTYASQG GTNEQWQMSL GTSEDHQHFT CTIWRPQGKS YLYFTQFKAE VRGAEIEYAM AYSKAAFERE SDVPLKTEEF EVTKTAVAHR PGAFKAELSK LVIVAKASRT EL

General References

Weiler T., et al. (2007) Arthritis Res Ther. 9, R30. Tulin E.E., et al. (2001) J. Immunol.167(11):6338-47

DATA





15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

