

Recombinant human SDF2 protein

Catalog Number: ATGP3773

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

19-211aa

UniProt No.

Q99470

NCBI Accession No.

NP_008854

Alternative Names

Stromal cell-derived factor 2, SDF2, SDF-2

PRODUCT SPECIFICATION

Molecular Weight

22.3 kDa (202aa)

Concentration

0.25mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 50mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl, 0.1mM PMSF, 0.5mM EDTA

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

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

SDF2, also known as stromal cell-derived factor 2, is believed to be a secretory protein. The amino acid sequence deduced from the murine clone and the human homolog are conserved more than 92%, and the aa sequence of SDF2 shows similarity to those of yeast dolichyl phosphate-D-mannose, protein mannosyltransferases. Its expression is ubiquitous and the gene appears to be relatively conserved among

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mammals. Also, this protein is involved to stromal derived factors with SDF-1, SDF-4 and SDF-5. These are a loosely defined group of molecules that are generated by stromal cells. SDF group have prognostic value and warrant further investigation in their biological functions and clinical value. Recombinant human SDF2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

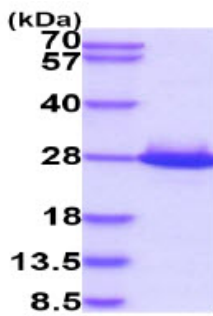
ADPSSLGVVT CGSVVKLLNT RHNVRLHSHD VRYGSGSGQQ SVTGVTSVDD SNSYWRIRGK SATVCERGTP IKCGQPIRLT
HVNTGRNLHS HHFTSPLSGN QEVSAGFEEG EGDYLLDWTV LCNGPYWVRD GEVRFKHSST EVLLSVTGEQ YGRPISGQKE
VHGMAQPSQN NYWKAMEGIF MKPSELLKAE AHHAELHHHH HH

General References

Hamada T., et al, (1996) Gene 176:211-214.
Kang H., et al, (2009) Int. J. Oncol. 35:205-211.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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