Recombinant Osteopontin (OPN) Instruction Manual

SIPA204Hu02

Homo sapiens (Human)

Source Prokaryotic expression

Host E.coli

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

Subcellular LocationSecretedPredicted Molecular Mass62.8kDa

Accurate Molecular Mass 70kDa(Analysis of differences refer to the manual)
Residues & Tags Ile17~Asn287 with N-terminal His and GST Tag

Buffer Formulation 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA,

1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Traits Freeze-dried powder

Purity > 90% Isoelectric Point 4.8

Applications Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

	IPVK	QADSGSSEEK	QNAVSSEETN	DFKQETLPSK
SNESHDHMDD	MDDEDDDDHV	DSQDSIDSND	SDDVDDTDDS	HQSDESHHSD
ESDELVTDFP	TDLPATEVFT	PVVPTVDTYD	GRGDSVVYGL	RSKSKKFRRP
DIQYPDATDE	DITSHMESEE	LNGAYKAIPV	AQDLNAPSDW	DSRGKDSYET
SQLDDQSAET	HSHKQSRLYK	RKANDESNEH	SDVIDSQELS	KVSREFHSHE
FHSHEDMLVV	DPKSKEEDKH	LKFRISHELD	SASSEVN	

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

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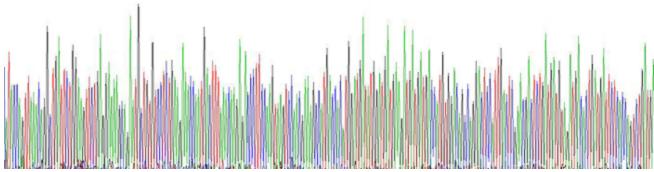


Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.