

RPA899Hu02 500µg

Recombinant Osteopontin (OPN)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Ile17~Asn287

Tags: N-terminal His and GST Tag

Subcellular Location: Secreted

Purity: > 80%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.

Original Concentration: 250µg/mL

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

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 4.8

Predicted Molecular Mass: 60.6kDa

Accurate Molecular Mass: 80kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1. Splice variants: Alternative splicing may create different sized proteins from the same gene.
2. Relative charge: The composition of amino acids may affects the charge of the protein.
3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.
4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.
5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

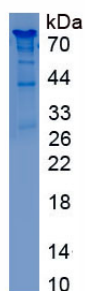
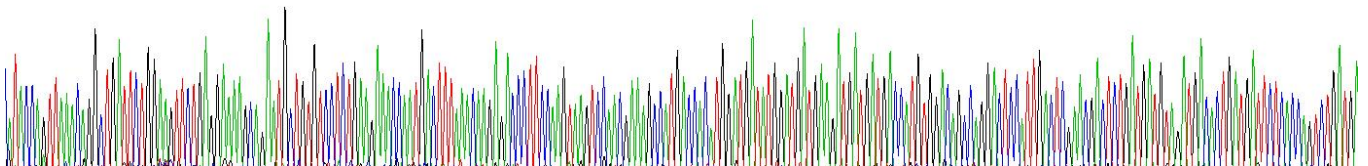
[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Aliquot and store at -80°C for 12 months.

[SEQUENCE]

	IPVK	QADSGSSEEK	QNAVSSEETN	DFKQETLPSK
SNESHDHMDD	MDEEDDDHV	DSQDSIDSD	SDDVDDTDDS	HQSDESHHS
ESDELVTDFP	TDLPAVEFT	PVVPTVDTYD	GRGDSVVYGL	RSKSKKFRFP
DIQYPDATDE	DITSHMESEE	LNGAYKAIPV	AQDLNAPSDW	DSRGKDSYET
SQLDDQSAET	HSHKQSRLYK	RKANDESNEH	SDVIDSQELS	KVSREFHSHE
FHSHEDMLVV	DPKSKEEDKH	LKFRISHELD	SASSEVN	

[illegible]

[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.