

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



NRF-1 (V256) Peptide

Cat No.: BS3233P

Background

Nuclear respiratory factor-1 (NRF-1) is a transcriptional activator that has been implicated in the nuclear control of respiratory chain expression in mammalian cells. The NRF-1 gene is expressed during oogenesis and during the early stages of embryogenesis. In vitro studies have implicated NRF-1 in the transcriptional expression of nuclear genes required for mitochondrial respiratory function, as well as for other fundamental cellular activities. While most isolated wild-type and NRF-1^{+/+} blastocysts continue to develop normally in vitro, NRF-1^{-/-} blastocysts lack this ability, despite their normal morphology. NRF-1 is specifically required in the maintenance of mtDNA and respiratory chain function during early embryogenesis. NRF-1 also plays a key role in cellular adaptation to energy demands by translating physiological signals into an increased capacity for generating energy.

Swiss-Prot

Q16656

Applications

Blocking

Specificity

This peptide can be used with studies using BS3233 NRF-1 (V256) pAb.

Purification & Purity

Synthetic peptide NRF-1 (V256). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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