

32-13338: NME1 Human, Active

Application : Functional Assay
Alternative Name : Non-metastatic cells 1, Nucleoside diphosphate kinase A, NDP kinase A, AWD, GAAD, NB, NBS, NDPK-A, NM23, NM23-H1.

Description

Source: E.coli.

Sterile Filtered colorless solution.

Non-metastatic cells 1 or NME1 is a protein, found at first as a suppressor gene for candidate metastasis. The protein can be found in various types of tumor, potential of metastatic may increase or decrease as the protein's levels changes. When the protein's concentration is low, an aggressive carcinoma (colon, breast, gastric and melanoma) appears. High levels of NME1 have been linked to advanced thyroid cancer.

NME1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 152 amino acids (1-152 a.a.) and having a molecular mass of 17.1kDa.

Product Info

Amount : 2 µg / 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The NME1 solution (1mg/ml) contains 10% glycerol, 20mM Tris-HCl buffer (pH 7.5) and 1mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MANCERTFIA IKPDGVQRGL VGEIIRFEQ KGFRLVGLKF MQASEDLLKE HYVDLKDRPF FAGLVKYMHS GPVVAMVWEG LNVVKTGRVM LGETNPADSK PGTIRGDFCI QVGRNIIHGS DSVESAEKEI GLWFHPEELV DYTSCAQNWI YE

Application Note

Specific activity is > 1,200unit/mg, and is defined as the amount of enzyme that convert 1.0 umole each of ATP and TDP to ADP and TTP per minute at pH 7.5 at 25C in a couple system with PK/LDH.