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32-13326: MTDH Human

Alternative Name : Metadherin, Lysine-Rich CEACAM1 Co-Isolated Protein, Astrocyte Elevated Gene-1 Protein, Metastasis Adhesion Protein, Astrocyte Elevated Gene 1, 3D3/LYRIC, AEG-1, LYRIC, AEG1, LYRIC/3D3, 3D3, MTDH.

Description

Source: Escherichia Coli.
Filtered White lyophilized (freeze-dried) powder.
Metadherin (MTDH) downregulates SLC1A2/EAAT2 promoter activity when expressed ectopically. MTDH activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Furthermore, MTDH promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a central component in tumor cell expansion. In addition, MTDH promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Metadherin also induces chemoresistance.
Metadherin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Val271-Asn456) containing 196 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 21.5kDa.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	MTDH was filtered (0.4µm) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5. It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. MTDH is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Storage condition :	Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid :	MKHHHHHHASVSSGLNENLT VNGGGWNEKS VKLSSQISAG EEKWNSVSPA SAGKRKAEPS AWSQDTGDAN TNGKDWGRSW SDRSIFSGIG STAEPVSQST TSDYQWDVSR NQPYIDDEWS GLNGLSSADP NSDWNAPAEE WGNWVDEERA SLLKSQEPIP DDQKVSDDDK EKGEGALPTG KSKKKKKKKK KQGEDN.