9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MTDH Human

Metadherin Human Recombinant
RCP1412

Product Overview

Name	MTDH Human
Description	
Metadherin Human Recombinant	
Accession (Primary)	Q86UE4
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
MTDH was filtered (0.4 µm) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5.	
Stability	
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.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	
MKHHHHHHAS VSSGLNENLT VNGGGWNEKS VKLSSQISAG EEKWNSVSPA SAGKRKAEPS AWSQDTGDAN TNGKDWGRSW SDRSIFSGIG STAEPVSQST TSDYQWDVSR NQPYIDDEWS GLNGLSSADP NSDWNAPAEE	

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WGNWVDEERA SLLKSQEPIP DDQKVSDDDK EKGEGALPTG KSKKKKKKKK KQGEDN.

Solubility

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.

Precautions

MTDH Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q86UE4)