

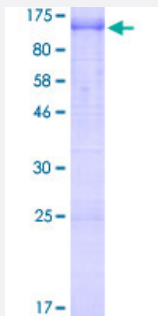
Full-Length

MTDH (Human) Recombinant Protein (P01)

Catalog # H00092140-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MTDH full-length ORF (NP_848927.1, 1 a.a. - 582 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAARSWQDELAQQAEEGSARLREMLSVGLGFLRTELGLDLGLEPKRYPGWVILVGTGALGLLLL
FLLGYGWAAACAGSRKKRRSPPRKREAAVPAAPDDLALLKNLRSEEQKKKNRKKLSEKPK
PNGRTVEVAEGEAVRTPQSVTAKQPPEIDKKNEKSKKNKKKSKSDAKAVQNSSRHDGKEVDEG
AWETKISHREKRQQRKRDVLTDSGSLDSTIPGIENTITVTTEQLTTASFPVGSKKNKGDSHLNVQ
VSNFKSGKGDSTLQVSSGLNENLTVNGGGWNEKSVKLSSQISAGEEKWNSVSPASAGKRKAEP
SAWSQDTGDANTNGKDWGRSWSDRSIFSGIGSTAEPVSQSTTSYQWDVSRNQPYIDDEWSGL
NGLSSADPNSDWNAPAEWGNWVDEERASLLKSQEPIPDQKVSDDDKEKGEGALPTGKSKK
KKKKKKKQGEDNSTAQDTEELEKEIREDLPVNTSKTRPKQEKAFLSKTISTSDPAEVLVKN SQPIK
TLPPATSTEP SVILSKSDSDKSSSQVPPILQETDKSKSNTKQNSVPPSQTKSETSWESPKQIKKK
KKARRET

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

90.2

Interspecies Antigen Sequence

Mouse (91); Rat (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MTDH

Entrez GeneID	92140
GeneBank Accession#	NM_178812.2
Protein Accession#	NP_848927.1
Gene Name	MTDH
Gene Alias	3D3, AEG-1, AEG1, LYRIC
Gene Description	metadherin
Omim ID	610323
Gene Ontology	Hyperlink
Other Designations	LYRIC/3D3 astrocyte elevated gene-1 metastasis adhesion protein

Publication Reference

- [Pharmacological disruption of the MTDH-SND1 complex enhances tumor antigen presentation and synergizes with anti-PD-1 therapy in metastatic breast cancer.](#)

Minhong Shen, Heath A Smith, Yong Wei, Yi-Zhou Jiang, Sheng Zhao, Nicole Wang, Michelle Rowicki, Yong Tang, Xiang Hang, Songyang Wu, Liling Wan, Zhi-Ming Shao and Yibin Kang.

Nature Cancer 2022 Jan; 3(1):60.

Application: GSA, Mouse, PY8119 cells

Disease

- [Genetic Predisposition to Disease](#)
- [Migraine Disorders](#)