

Recombinant Human MSLN Protein

For Research Use Only

1. Basic Product Information

Catalog No.: REP50683

Size: 10ug, 100ug

Protein Name: Mesothelin (CAK1 antigen) (Pre-pro-megakaryocyte-potentiating factor)
[Cleaved into: Megakaryocyte-potentiating factor (MPF); Mesothelin, cleaved form]

Synonym: MSLN, MPF

UniProt ID: Q13421

UniProt Link: www.uniprot.org/uniprotkb/Q13421/entry

Species Source: Human

Expression System: HEK293T eukaryotic cell expression system Sequence

Length: 622 AA

Molecular Weight: 68 KD

Protein Tag: C-terminal His6

2. Amino Acid Sequence

MALPTARPLLGSCGTPALGSLLFLLFSLGWVQPSRTLGETGQEAAPLDGVLANPPNISSLSPRQLL
GFPCAIEVSGSLSTERVRELAVALAQKNVKLSTEQLRCLAHRLSEPPEDLDALPLDLLFLNPDAFSGP
QACTRFFSRITKANVDLLPRGAPERQRLLPAALACWGVRSLLSEADVRLGGLACDLPGRFVAES
AEVLLPRLVSCPGPLDQDQQAARAALQGGGPPYGGPSTWSVSTMDALRGLLPVLGQPPIIRSIPQGI
VAAWRQRSSRDPSWRQPRTLPRFRREVEKTACPSGKKAREIDESLIFYKKWELEACVDAALLAT
QMDRVNAIPFTYEQLDVLKHKLDELYPQGYPESVIQHLGYLFLKMSPEDIRKWNVTSLKALLEVN
KGHEMSPQVATLIDRFVKGRGQLDKDTLDTLTAFYPGYLCSLSPHEELSSVPPSSIWAVRPQDLDTCD
PRQLDVLYPKARLAFQNMNGSEYFVKIQSFLGGAPTEDLKALSQQNVSMDLATFMKLRTDAVLPLTV
AEVQKLLGPHVEGLKAEERHRPVRDWILRQRQDDDTLGLGLQGGINGYLVLDLSMQEALSGTPC
LLGPGPVLTVLALLLASTLA

3. Buffer Composition

Liquid format: PBS-based buffer containing 50% glycerol. Glycerol concentration can be customized upon customer request; please state special requirements when placing your order.

Lyophilized format: Buffer before lyophilization is PBS supplemented with 6% trehalose.

4. Storage Conditions

Upon receipt, store the product at -20 °C or -80 °C. Aliquot the product for on-demand use to preserve protein activity and prevent denaturation and inactivation caused by repeated freeze-thaw cycles.

5. Product Description

This product is recombinant Mesothelin (CAK1 antigen) (Pre-pro-megakaryocyte-potentiating factor) [Cleaved into: Megakaryocyte-potentiating factor (MPF); Mesothelin, cleaved form] produced using the HEK293T eukaryotic cell expression system. It is suitable for in-vitro functional assays, protein-protein interaction studies, antibody preparation and other biomedical research applications.

Protein Function: Membrane-anchored forms may play a role in cellular adhesion.; Megakaryocyte-potentiating factor (MPF) potentiates megakaryocyte colony formation in vitro.

Subcellular Localization: Cell membrane; Lipid-anchor, GPI-anchor. Golgi apparatus.; [Megakaryocyte-potentiating factor]: Secreted.; [Isoform 5]: Secreted.

6. Notes

- Avoid repeated freeze-thaw cycles to maintain protein stability and biological activity.
- Please specify special buffer-composition requirements at the time of order placement.
- For research use only. Not intended for clinical diagnosis, therapeutic use or commercial manufacturing.