

Product datasheet

Recombinant Human Mesothelin protein ab205217

Description

Product name	Recombinant Human Mesothelin protein
Purity	> 90 % SDS-PAGE. ab205217 was expressed in E.coli as inclusion bodies, refolded using a unique “temperature shift inclusion body refolding” technology, chromatographically purified and sterile-filtered.
Expression system	Escherichia coli
Accession	Q13421-3
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre> MASMTGGQQMGRGHHHHHHENLYFQGGEFLAGETGQEA APLDGVLNPPN ISSLSPRQLLGFPCAIEVSGLSTERVRELAVALAQKNVKLS TEQLRCLAHR LSEPPEDLDALPLDLLLFLNPDAFSGPQACTRFFSRITKA NVDLLPRGAP ERQRLLPAALACWGVRSLLSEADVRLGGLACDLPGR FVAESAEVLLPR LVSCPGPLDQDQQAARAALQGGGPPYGGPSTWSVSTM DALRGLLPVLGQ PIRSIPQGVAAWRQRSSRDPSWRQPRTLPRFRREVE KTACPSGKK APEIDESLIFYKKWELEACVDAALLATQMDRVNAIPFTYEQ LDVLKHKLD ELYPQGYVESVIQHLGYLFLKMSPEDIRKWNVTSLETLKAL LEVNGGHEM SPQVATLIDRFVKGRGQLDKDTLDTLAFYPGYLCSLSPE ELSSVPPSSI WAVRPQDLDTCDPRQLDVLYPKARLAFQNMNGSEYFVKI QSFLGGAPTED LKALSQQNVSMDLATFMKLRTDAVLPLTVAEVQKLLGPH VEGLKAEERHR PVRDWILRQRQDDLDTLGLGLQGGIPNGYLVLDLSMQEAL S </pre>
Predicted molecular weight	65 kDa including tags

Amino acids	37 to 598
Tags	His-T7 tag N-Terminus
Additional sequence information	This product is the mature full length protein from aa 37 to 598. The signal peptide and propeptide are not included. With 29 aa N-terminal T7 / His / TEV cleavage site tag (NP_005814.2).

Specifications

Our [Abpromise guarantee](#) covers the use of **ab205217** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -80°C. pH: 8.00 Constituent: 0.32% Tris HCl Contains NaCl, KCl, EDTA, Sucrose and DTT.
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General Info

Function	Membrane-anchored forms may play a role in cellular adhesion. Megakaryocyte-potentiating factor (MPF) potentiates megakaryocyte colony formation in vitro.
Tissue specificity	Expressed in lung. Expressed at low levels in heart, placenta and kidney. Expressed in mesothelial cells. Highly expressed in mesotheliomas, ovarian cancers, and some squamous cell carcinomas (at protein level).
Involvement in disease	Note=Antibodies against MSLN are detected in patients with mesothelioma and ovarian cancer.
Sequence similarities	Belongs to the mesothelin family.
Post-translational modifications	Both MPF and the cleaved form of mesothelin are N-glycosylated. Proteolytically cleaved by a furin-like convertase to generate megakaryocyte-potentiating factor (MPF), and the cleaved form of mesothelin.
Cellular localization	Secreted and Cell membrane. Golgi apparatus.

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