

MEP1A, 22-601aa, Human, His-tag, Baculovirus

Cat.NO.: TP02948

3th Edition

Synonyms:Meprin A subunit alpha, MEP1A, PPHA.

Description:MEP1A, also known as meprin A subunit alpha, is a single-pass type I membrane protein which belongs to the peptidase M12A family. It abundantly expressed in kidney and intestinal epithelial cells, are secreted into the urinary tract and intestinal lumen, and are found in leukocytes and cancer cells under certain conditions. It is capable of proteolytically degrading extracellular matrix proteins, proteolytically processing bioactive proteins, and play a role in inflammatory processes. Recombinant human MEP1A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:67.4kDa (589aa), 70-100kDa (SDS-PAGE under reducing conditions)

Sequences:

ADVPPIKYLPEENVHDAADFGEQKDISEINLAAGLDLFQGDILLQKSRNGLRDPNTRWTFPIPIYILADNLGLNAKGAILY
AFEMFRLKSCVDFKPYEGESSYIIFQQFDGCWSEVGDQHVGQNI SIGQGCA YKAIIEHEILHALGFYHEQSRTDRDD
YVNIWWDQILSGYQHNFDTYDDSLITDLNTPYDYESLMHYQPFSFNKNASVPTITAKIPEFNSIIGQRLDFSAIDLRL
NRMYNCTTTHTLLDHCTFEKANICGMIQGTTRDDTDWAHQDSAQAGEVDHTLLGQCTGAGYFMQFSTSSGSAEEA
ALLESRLYPKRKQQCLQFFYKMTGSPSDRLVWVRRDDSTGNVRKLVKVQTFQGDHNDHNWKIAHVVLKEEQKFR
YLFQGTKGDPQNSTGGIYLDITLTETPCPTGVWTVRNFVQVLENTSKGDKLQSPRFYNSEGYGFGVTLYPNSRES
SGYLRLAFHVCSGENDAILEWPVENRQVIITILDQEPDVRNRMSSSMVFTTSKSH TSPAINDTVIWDRPSRVGTYHT
DCNCFRSIDLGWSGFISHQMLKRRSFLKNDDLIFVDFEDITHLSQH HHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.