

GPNMB, 22-474aa, Human, His tag, E.coli

Cat.NO.: TP02318

3th Edition

Synonyms:Glycoprotein (transmembrane) nmb, HGFIN, NMB

Description:GPNMB is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. The protein shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. Recombinant human GPNMB protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Molecular Weight:53.2kDa (476aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGS AKRFHDVLGNERPSAYMREHNQLNGWSSDENDWNEKLYPVWKRGD MRW
KNSWKGRVQAVLTS DSPALVGSNITFAVNLI FPRCQKEDANGNIVYEKNCRNEAGLSADPYVYNWTAWSESDG
ENGTGQSHHNVFPD GKPFPHPGWRRWNFIYVFHTLGQYFQKLGRC SVRVSVNTANVT LGPQLMEVTVYRRHG
RAYVPIAQVKDVYV VTDQIPVFVTMFQKNDRNSSDETFLKDL PIMFDVLIHDP SHFLNYSTINYKWSFGDNTGLFVST
NHTVNHTYVLNGT FSLNLT VKAAAPGPCPPPPPPRPSKPTPSLGPAGDNPLELSRIPDENCQINRYGHFQATITIVE
GILEVNIIQM TDVLMVPWPPESSLIDFVVTCQGSIPTEVCTIISDPTCEITQNTVCSPVDVDEMCLLTVRRTFNGSGTY
CVNLT LGDDTSLALTSTLISVP

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.