Recombinant Human Melanocyte protein PMEL(PMEL)partial

Catalog No: #AP70775

Package Size: #AP70775-1 20ug #AP70775-2 100ug #AP70775-3 1mg

Signalway Antibody
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Description

Product Name	Recombinant Human Melanocyte protein PMEL(PMEL)partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-467aaSequence Info:partial
Other Names	ME20-M ;ME20MMelanocyte protein Pmel 17Melanocytes lineage-specific antigen GP100Melanoma-associated ME20 antigen;P1;P100Premelanosome protein;Silver locus protein homolog
Accession No.	P40967
Calculated MW	63 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	KVPRNQDWLGVSRQLRTKAWNRQLYPEWTEAQRLDCWRGGQVSLKVSNDGPTLIGANASFSIALNFPGSQK VLPDGQVIWVNNTIINGSQVWGGQPVYPQETDDACIFPDGGPCPSGSWSQKRSFVYVWKTWGQYWQVLGG PVSGLSIGTGRAMLGTHTMEVTVYHRRGSRSYVPLAHSSSAFTITDQVPFSVSVSQLRALDGGNKHFLRNQPL TFALQLHDPSGYLAEADLSYTWDFGDSSGTLISRALVVTHTYLEPGPVTAQVVLQAAIPLTSCGSSPVPGTTDG HRPTAEAPNTTAGQVPTTEVVGTTPGQAPTAEPSGTTSVQVPTTEVISTAPVQMPTAESTGMTPEKVPVSEV MGTTLAEMSTPEATGMTPAEVSIVVLSGTTAAQVTTTEWVETTARELPIPEPEGPDASSIMSTESITGSLGPLL DGTATLRLV
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Plays a central role in the biogenesis of melanosomes. Involved in the maturation of melanosomes from stage I to II. The transition from stage I melanosomes to stage II melanosomes involves an elongation of the vesicle, and the appearance within of distinct fibrillar structures. Release of the soluble form, ME20-S, could protect tumor cells from antibody mediated immunity.

References

A melanocyte-specific gene, Pmel 17, maps near the silver coat color locus on mouse chromosome 10 and is in a syntenic region on human chromosome 12.Kwon B.S., Chintamaneni C., Kozak C.A., Copeland N.G., Gilbert D.J., Jenkins N.A., Barton D., Francke U., Kobayashi Y., Kim K.-K.Proc. Natl. Acad. Sci. U.S.A. 88:9228-9232(1991)Research Topic:Metabolism

Note: This product is for in vitro research use only and is not intended for use in humans or animals.