Recombinant Human Uncharacterized protein C8orf4(C8orf4)

Catalog No: #AP76882

Package Size: #AP76882-1 20ug #AP76882-2 100ug #AP76882-3 1mg

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Description

Product Name	Recombinant Human Uncharacterized protein C8orf4(C8orf4)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-106aaSequence Info:Full Length
Other Names	Thyroid cancer protein 1
Accession No.	Q9NR00
Uniprot	Q9NR00
GeneID	56892;
Calculated MW	39.3 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MKAKRSHQAVIMSTSLRVSPSIHGYHFDTASRKKAVGNIFENTDQESLERLFRNSGDKKAEERAKIIFAIDQDV EEKTRALMALKKRTKDKLFQFLKLRKYSIKVH
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

Seems to be involved in the regulation of cell growth an differentiation, may play different and opposite roles depending on the tissue or cell type. May enhance the WNT-CTNNB1 pathway by relieving antagonistic activity of CBY1. Enhances the proliferation of follicular dendritic cells. Plays a role in the mitogen-activated MAPK2,3 signaling pathway, positively regulates G1-to-S-phase transition of the cell cycle. In endothelial cells, enhances key inflammatory mediators and inflammatory response through the modulation of NF-kappaB transcriptional regulatory activity. Involved in the regulation of heat shock response, seems to play a positive feedback with HSF1 to modulate heat-shock downstream gene expression. Plays a role in the regulation of hematopoiesis even if the mechanisms are unknown. In cancers such as thyroid or lung cancer, it has been described as promoter of cell proliferation, G1-to-S-phase transition and inhibitor of apoptosis. However, it negatively regulates self-renewal of liver cancer cells via suppresion of NOTCH2 signaling.

References

"Cloning of TC-1 (C8orf4), a novel gene found to be overexpressed in thyroid cancer."
Chua E.L., Young L., Wu W.M., Turtle J.R., Dong Q.
Genomics 69:342-347(2000)Research Topic:Signal Transduction

Note: This product is for in vitro research use only