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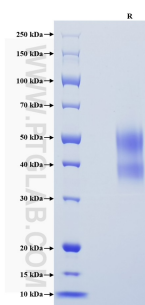
Recombinant Human C10orf54 protein (Myc Tag, His Tag)



Catalog Number: Eg0017

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: Myc Tag, His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human C10orf54 protein Phe33-Ala194 (Accession# Q9H7M9) with a Myc tag and a His tag at the C-terminus.</p> <p>GeneID: 64115</p> <p>Accession: Q9H7M9</p> <p>Predicted Molecular Mass: 23.7 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>VISTA (V-domain Ig suppressor of T cell activation), also known as C10orf54, B7-H5, PD-1H and Dies1, is a member of the immune checkpoints of the B7 family that shares significant homology with PD-L1 and PD-L2. VISTA is predominantly expressed on haematopoietic cells, myeloid cells, and weakly expressed on T cells. It can act as a ligand expressed on antigen presenting cells (APCs), and also functions as a coinhibitory receptor for CD4+ T cells. VISTA exerts negative regulatory functions by suppressing the activation, proliferation, and cytokine secretion of T cells. VISTA plays an important role in tumor progression and immune escape and can be used as a predictor for diagnosis or immunotherapy of cancer.</p>		
References	<ol style="list-style-type: none">1.Yuan, Long et al. Trends in immunology vol. 42,3 (2021): 209-227.2.Mulati, Kumuluzi et al. British journal of cancer vol. 120,1 (2019): 115-127.3.Shi, Tongguo et al. Journal of immunology research vol. 2022, (2022): 3013185.4.Emaldi, Maite et al. iScience vol. 27,9 (2024): 110587.		
Synonyms	VISTA, B7-H5, GI24, PP2135, SISP1		

Selected Validation Data



Purity of Recombinant Human C10orf54 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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