

## Product datasheet for **AR31063PU-N**

### CD202b / TEK (C-term, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	CD202b / TEK (C-term, His-tag) human recombinant protein, 10 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	Insect
<b>Expression cDNA Clone or AA Sequence:</b>	<p>AMDLILINSL PLVSDAETSL TCIASGWRPH EPITIGRDFE ALMNQHQPDL EVTQDVTREW            AKKVVWKREK ASKINGAYFC EGRVRGEAIR IRTMKMRQQA SFLPATLMT VDKGDNVNIS            FKKVLIKEDA VIYKNGSFIH SVPRHEVPDI LEVHLPHAQP QDAGVYSARY IGGNLFSAF TRLIVRRCEA            QKWGPECNHL CTACMNNGVC HEDTGECICP PGFMGRTCEK ACELHTFGRT CKERCSGQEG            CKSYFCLPDP YGCSCATGWK GLQCNEACHP GFYGPDCCLR CSCNNGEMCD RFQGCLCSPG            WQGLQCEREG IPRMTPKIVD LPDHIEVNSG KFNPKICKASG WPLPTNEEMT LVKPDGTVLH            PKDFNHTDHF SAIFTIHRIL PPD SGVWVCS VNTVAGMVEK PFNISKVLP KPLNAPNVID TGHNFVINI            SSEPYFGD GPIKSKLLY KPVNHYEAWQ HIQVTNEIVT LNYLEPRTEY ELCVQLVRRG EGGEGHPGPV            RRFTTASIGL PPPRGLNLLP KSQTTLNLTW QPIFPSEDD FYVEVERRSV QKSDQQNIKV            PGNLTSVLNN LHPREQYVVR ARVNTKAQGE WSEDLTAWTL SDILPPQPEN IKISNITHSS            AVISWTILDG YSISSITIRY KVQGNEDQH VDVKIKNATI IQYQLKGLEP ETAYQVDIFA ENNIGSSNPA            FSHEVTLPES QAPADLGGGK <i>TRHHHHHH</i></p>
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	95 kDa
<b>Purity:</b>	>90%
<b>Buffer:</b>	<p>Presentation State: Purified            State: Lyophilized purified protein.            Buffer System: PBS without stabilizer</p>
<b>Bioactivity:</b>	Biological: Measured in a functional ELISA assay. When TIE-2-His is immobilized at 4µg/ml (100 µl/well), it binds recombinant human Angiopoietin-2 with a linear range of 2-100 ng/ml.
<b>Endotoxin:</b>	< 0.1ng per µg sTIE-2-His
<b>Reconstitution Method:</b>	The lyophilized sTIE-2-His is soluble in water and most aqueous buffers and should be restored in PBS or medium to a concentration not lower than 50 µg/ml.
<b>Preparation:</b>	Lyophilized purified protein.



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<b>Protein Description:</b>	Recombinant Human soluble TIE-2/TEK was fused with a 6x His-tag at the C-terminus. The soluble receptor protein consists of the full extracellular domain (Thr19-Lys745).
<b>Storage:</b>	Lyophilized samples are stable for greater than six months at -20°C to -70°C. Reconstituted sTIE-2-His should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles!
<b>RefSeq:</b>	<a href="#">NP_000450</a>
<b>Locus ID:</b>	7010
<b>UniProt ID:</b>	<a href="#">Q02763</a> , <a href="#">Q59HG2</a>
<b>Cytogenetics:</b>	9p21.2
<b>Synonyms:</b>	CD202B; GLC3E; TIE-2; TIE2; VMCM; VMCM1
<b>Summary:</b>	This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane