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Product datasheet for TP504947

Ackr1 (NM_010045) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse atypical chemokine receptor 1 (Duffy blood group) (Ackr1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204947 protein sequence Red=Cloning site Green=Tags(s) MGNCLYPVETLSLDKNGTQFTFDSWNYSFEDNYSYELSSDYSLTPAAPCYSCNLLDRSSLPFFMLTSVLG MLASGSILFAILRPFFHWQICPSWPILAELAVGSALFSIAVPILAPGLHSAHSTALCNLGYWVWYTSAFA QALLIGCYACLNPRLNIGQLRGFTLGLSVGLWGAAALSGLPVALASDVYNGFCTFPSSRDMEALKYTHYA ICFTIFTVLPLTLLAAKGLKIALSKGPGPWVSVLWIWFIFWWPHGMVLIFDALVRSKTVLLYTCQSQKIL DAMLNVTEALSMLHCVATPLLLALFCHQTTRRSLSSLSLPTRQASQMDALAGKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	36.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034175
Locus ID:	13349
UniProt ID:	Q9QUI6

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RefSeq Size:	1158
Cytogenetics:	1 80.33 cM
RefSeq ORF:	1002
Synonyms:	AA162249; CCBP1; CD234; Darc; Dfy; ESTM35; FY; GPD
Summary:	Atypical chemokine receptor that controls chemokine levels and localization via high-affinity chemokine binding that is uncoupled from classic ligand-driven signal transduction cascades, resulting instead in chemokine sequestration, degradation, or transcytosis. Also known as interceptor (internalizing receptor) or chemokine-scavenging receptor or chemokine decoy receptor. Has a promiscuous chemokine-binding profile, interacting with inflammatory chemokines of both the CXC and the CC subfamilies but not with homeostatic chemokines. Acts as a receptor for chemokines including CCL2, CCL5, CCL7, CCL11, CCL13, CCL14, CCL17, CXCL5, CXCL6, IL8/CXCL8, CXCL11, GRO, RANTES, MCP-1 and TARC. May regulate chemokine bioavailability and, consequently, leukocyte recruitment through two distinct mechanisms: when expressed in endothelial cells, it sustains the abluminal to luminal transcytosis of tissue-derived chemokines and their subsequent presentation to circulating leukocytes; when expressed in erythrocytes, serves as blood reservoir of cognate chemokines but also as a chemokine sink, buffering potential surges in plasma chemokine levels (By similarity). [UniProtKB/Swiss-Prot Function]