

Atypical chemokine receptor 3 Recombinant Protein | ACKR3 recombinant protein

Recombinant Human Atypical chemokine receptor 3

CATALOG # AAA18531	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Atypical chemokine receptor 3; Recombinant Human Atypical chemokine receptor 3; C-X-C chemokine receptor type 7; CXC-R7; CXCR-7; Chemokine orphan receptor 1; G-protein coupled receptor 159; G-protein coupled receptor RDC1 homolog; RDC-1; ACKR3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-40aa; Partial
Sequence	MDLHLFDYSE PGNFSDISWP CNSSDCIVVD TVMCPNMPNK
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ACKR3 recombinant protein	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. Acts as a receptor for chemokines CXCL11 and CXCL12/SDF1. Chemokine binding does not activate G-protein-mediated signal transduction but instead induces beta-arrestin recruitment, leading to ligand internalization and activation of MAPK signaling pathway. Required for regulation of CXCR4 protein levels in migrating interneurons, thereby adapting their chemokine responsiveness. In glioma cells, transduces signals via MEK/ERK pathway, mediating resistance to apoptosis. Promotes cell growth and survival. Not involved in cell migration, adhesion or proliferation of normal hematopoietic progenitors but activated by CXCL11 in malignant hematopoietic cells, leading to phosphorylation of ERK1/2 (MAPK3/MAPK1) and enhanced cell adhesion and migration. Plays a regulatory role in CXCR4-mediated activation of cell surface integrins by CXCL12. Required for heart valve development. Acts as coreceptor with CXCR4 for a restricted number of HIV isolates.
Product Categories/Family for ACKR3 recombinant protein	Signal Transduction
References	"Cloning and expression of the human vasoactive intestinal peptide receptor." Sreedharan S.P., Robichon A., Peterson K.E., Goetzl E.J. Proc. Natl. Acad. Sci. U.S.A. 88:4986-4990(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31083344
NCBI GeneID	57007
NCBI Accession #	NP_064707.1
NCBI GenBank Nucleotide #	NM_020311.2
UniProt Accession #	P25106; Q53RV4; Q8NE10; Q92938; Q92986; A8K6J4
Molecular Weight	20.5 kDa
NCBI Official Full Name	atypical chemokine receptor 3
NCBI Official Synonym Full Names	atypical chemokine receptor 3
NCBI Official Symbol	ACKR3
NCBI Official Synonym Symbols	RDC1; CXCR7; RDC-1; CMKOR1; CXC-R7; CXCR-7; GPR159
NCBI Protein Information	atypical chemokine receptor 3
UniProt Protein Name	Atypical chemokine receptor 3
UniProt Gene Name	ACKR3
UniProt Synonym Gene Names	CMKOR1; CXCR7; GPR159; RDC1; CXC-R7; CXCR-7; RDC-1
UniProt Entry Name	ACKR3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/ackr3-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/18531>