

Product datasheet for TP511073

Axl (NM_009465) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse AXL receptor tyrosine kinase (Axl), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR211073 representing NM_009465
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MGRVPLAWWLALCCWGCAAHKDTQTEAGSPFVGNPGNITGARGLTGTLRCELQVQGEPPPEVWLRDQIL
ELADNTQTQVPLGEDWQDEWKVSQLRISALQLSDAGEYQCMVHLEGRTFVSPQGFVGLLEGLPYFLEEPE
DKAVPANTPFNLSCQAQGPPEPVTLWLQDAVPLAPVTGHSSQHSLQTPGLNKTSSFSCEAHNAKGVTTT
RTATITVLPQRPHHLHVSRQPTELEVAWTPGLSGIYPLTHCNLQAVLSDDGVIWLGKSDPPEDPLTLQ
VSVPPHQLRLEKLLPHTPYHIRISCSQQSPWTHWLPVETTEGVPLGPPENVSAMRNGSQVLVRWQEP
RVPLQGTLLGYRLAYRGQDTPEVLMDIGLTREVTLELRGDRPVANLTVSVTAYTSAGDGPWVSLPVPLEPW
RPGQGQLHHLVSEPPPRAFSWPWWYVLLGALVAAACVLILALFLVHRRKKETRYGEVFEPTVERGELVV
RYRVRKSYSRRTTEATLNSLGISEELKEKLRDVMVDRHKVALGKTLGEGEFGAVMEGQLNQDDSIKQVAV
KTMKIAICTRSELEDFLSEAVCMKEFDHPNVMRLIGVCFQGS DREGFPPEWILPFMKHGDLSFLLYSR
LGDQPVFLPTQMLVKFMADIASGMEYLSTKRFIHRDLAARNCMLNENMSVCVADFGLSKKIYNGDYRQGG
RIAKMPVKWIAIESLADRVYTSKSDVWSFGVTMWEIATRGQTPYPGVENSEIYDYLRQGNRLKQPVDCLD
GLYALMSRCWELNPRDRPSFAELREDLENTLALPPAQEPDEILYVNMDEGGSHLEPRGAAGGADPPTQP
DPKDSCSCLTAADVHSAGRYVLC PSTAGPTLSADRGCPAPPQEDGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	98.6 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.



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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_033491
Locus ID:	26362
UniProt ID:	Q00993 , Q8CCF8
RefSeq Size:	4119
Cytogenetics:	7 14.02 cM
RefSeq ORF:	2664
Synonyms:	AI323647; Ark; Tyro7; Ufo
Summary:	Receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding growth factor GAS6 and which is thus regulating many physiological processes including cell survival, cell proliferation, migration and differentiation. Ligand binding at the cell surface induces dimerization and autophosphorylation of AXL. Following activation by ligand, ALX binds and induces tyrosine phosphorylation of PI3-kinase subunits PIK3R1, PIK3R2 and PIK3R3; but also GRB2, PLCG1, LCK and PTPN11. Other downstream substrate candidates for AXL are CBL, NCK2, SOCS1 and TNS2. Recruitment of GRB2 and phosphatidylinositol 3 kinase regulatory subunits by AXL leads to the downstream activation of the AKT kinase. GAS6/AXL signaling plays a role in various processes such as endothelial cell survival during acidification by preventing apoptosis, optimal cytokine signaling during human natural killer cell development, hepatic regeneration, gonadotropin-releasing hormone neuron survival and migration, platelet activation, or regulation of thrombotic responses. Plays also an important role in inhibition of Toll-like receptors (TLRs)-mediated innate immune response.[UniProtKB/Swiss-Prot Function]