

Synonym

AXL,UFO

Source

Human Axl, His Tag (AXL-H5226) is expressed from human 293 cells (HEK293). It contains AA Ala 26 - Pro 449 (Accession # AAH32229).

Predicted N-terminus: Ala 26

Molecular Characterization

Axl(Ala 26 - Pro 449)
AAH32229 Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 46.6 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

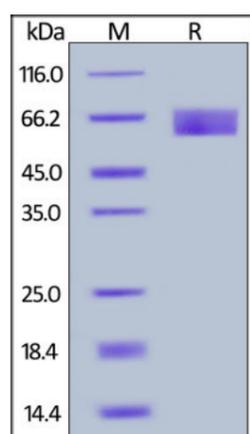
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human Axl, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

AXL Receptor Tyrosine Kinase is also known as Tyrosine-protein kinase receptor UFO, which belongs to the protein kinase superfamily, Tyr protein kinase family and AXL/UFO subfamily. AXL contains two fibronectin type-III domains, two Ig-like C2-type (immunoglobulin-like) domains and one protein kinase domain. AXL is highly expressed in metastatic colon tumors. AXL is activated by GAS6-binding and subsequent autophosphorylation. AXL is involved in signal transduction from the extracellular matrix into the cytoplasm by binding growth factors, and thus implicated in the stimulation of cell proliferation.

References

- (1) [Varnum B.C., et al., 1995, Nature 373:623-626.](#)
- (2) [Gallicchio M., et al., 2005, Blood 105:1970-1976.](#)
- (3) [Park I.K., et al., 2009, Blood 113:2470-2477.](#)

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.