PRODUCT INFORMATION

Target	LPAR2
Synonyms	EDG4, LPA2, EDG-4, LPA-2
Description	Recombinant human LPAR2 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9HBW0
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	LPAR2(Met1-Asp29) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 29.6 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	This gene encodes a member of family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein functions as a lysophosphatidic acid (LPA) receptor and contributes to Ca2+ mobilization, a critical cellular response to LPA in cells, through association with Gi and Gq proteins. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

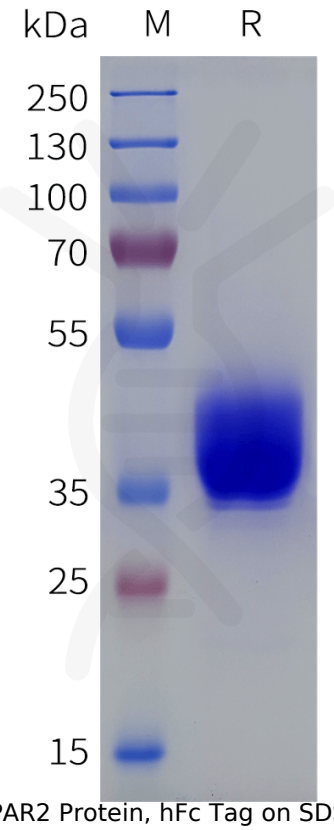

Figure 1. Human LPAR2 Protein, hFc Tag on SDS-PAGE under reducing condition.