PRODUCT INFORMATION

Target	GPR143
Synonyms	OA1, Ocular albinism type 1 protein, Xp22.3-p22.2 GPR143
Description	Recombinant human GPR143 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P51810
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	GPR143(Met1-Arg27) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 29.1 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.
Background	GPR143 (G protein-coupled receptor 143 / OA1) is an intracellular G-protein coupled receptor (GPCR) primarily expressed in melanosomes of retinal pigment epithelium and melanocytes. It regulates melanosome biogenesis, pigmentation, and intracellular signaling. Mutations in GPR143 cause ocular albinism type 1 (OA1), leading to hypopigmentation, vision defects, and foveal hypoplasia. GPR143 is a key target for research into pigmentation disorders and retinal development.
Usage	Research use only
Conjugate	Unconjugated

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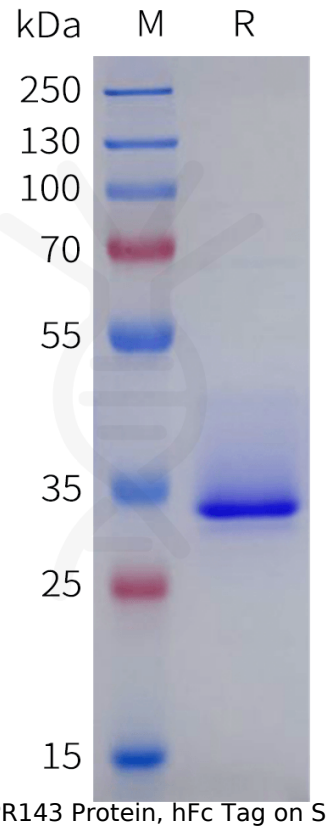

Figure 1. Human GPR143 Protein, hFc Tag on SDS-PAGE under reducing condition.

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