

Product datasheet for **TP724545**

Mouse IGF-1R Protein, His Tag

Product data:

Product Type:	Recombinant Proteins
Description:	Mouse IGF-1R Protein, His Tag
Expression Host:	HEK293
Tag:	C-6×His
Predicted MW:	The protein has a predicted molecular mass of 104.5 kDa after removal of the signal peptide.
Purity:	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Reconstitution Method:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Storage:	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.
Stability:	12 months from date of despatch
Summary:	Enables insulin-like growth factor binding activity. Involved in several processes, including adrenal gland development; positive regulation of cold-induced thermogenesis; and positive regulation of meiotic cell cycle. Acts upstream of or within several processes, including gland development; peptidyl-tyrosine autophosphorylation; and regulation of intracellular signal transduction. Located in T-tubule. Is integral component of membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; limb; and lung. Human ortholog(s) of this gene implicated in several diseases, including dementia (multiple); kidney cancer (multiple); liver disease (multiple); nervous system cancer (multiple); and neurodegenerative disease (multiple). Orthologous to human IGF1R (insulin like growth factor 1 receptor). [provided by Alliance of Genome Resources, Apr 2022]



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