

IGF-II, Mouse, Recombinant

Cat. No. : PCK338

General Information

Synonyms	AL033362;Igf-2;M6pr;Mpr;Peg;Peg2
Species	Mouse
Expression host	E.coli
Sequence	AYGPGETLGGELVDTLQFVCSDRGFYFSRPSSRANRRSRGIVECCFRSCDLALLETYCATPA KSE with polyhistidine tag at the N-terminus.
Accession	P09535.1
Tag	His-tag at the N-terminus
Mol mass	8.20 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce MCF-7 cells proliferation. The ED50 for this effect is < 6 ng/mL. The specific activity of recombinant mouse IGF-II is > 1.5 × 10 ⁵ IU/mg.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Insulin-like growth factor 2 (IGF-2) is one of three protein hormones that share structural similarity to insulin. The major role of IGF-2 is as a growth promoting hormone during gestation. It is believed to be a major fetal growth factor in contrast to Insulin-like growth factor 1, which is a major growth factor in adults.

SDS-PAGE

