

Galectin-8/LGALS8/PCTA-1/Po66-CBP, Human, Recombinant

Cat. No. : PCK300

General Information

Synonyms	LGALS8;Gal-8;PCTA-1;PCTA1;Po66-CBP
Species	Human
Expression host	E.coli
Sequence	MLSLNNLQNIYNPVFPVGTIPDQLDPGTLIVIRGHVPSDADRFQVDLQNGSSMKPRADVAFH FNPRFKRAGCIVCNTLINEKWGREEITYDTPFKREKSFEIVIMVLKDKFQVAVNGKHTLLYGHRI GPEKIDTLGIYGKVNHSIGFSFSSDLQSTQASSLELTEISRENVPKSGTPQLRLPFAARLNTPM GPGRTVVVKGEVNANAKSFNVDLLAGKSKDIALHLNPRLNIKAFVRNSFLQESWGEEERNITSF PFSPGMYFEMIIYCDVREFKAVNGVHSLEYKHRFKESSIDTLEINGDIHLLEVRWSW with polyhistidine tag at the N-terminus.
Accession	O00214.4
Tag	His-tag at the N-terminus
Mol mass	36.6 kDa
Expiration date	12 months
Bio activity	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is < 8 µg/mL.

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 7.4.
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

Galectin-8 (LGALS8), a member of the galectin gene family, is identified to specifically express in prostate, and is especially overexpressed in malignant tumors, thereby can be used as an extra specific identifier of malignancies. The gene encoded protein facilitates both cell-cell and cell matrix interactions in a method parallel to the selectin subgroup of C-type lectins.

SDS-PAGE

