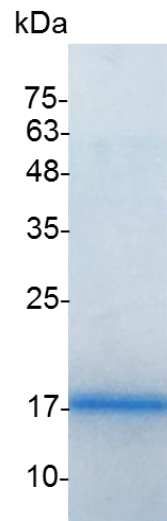


**Galectin-7, Human**

v. 231001

<b>Catalog number</b>	C01160-5UG / C01160-20UG / C01160-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-7 is a protein that in humans is encoded by the LGALS7 gene. It is expressed at all stages of epidermal differentiation (i.e., in basal and suprabasal layers). The protein was found mainly in stratified squamous epithelium. The cellular localization and its striking down-regulation in cultured keratinocytes imply a role in cell-cell and/or cell-matrix interactions necessary for normal growth control.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	SNVPHKSSLPEGIRPGTVLRIRGLVPPNASRFHVNLLCGEEQGSDAALHFNPRLDTSEVVFNSKEQGSWGREERGGVFPFQRGQPFEVLIIASDDGFKAVVGDAQYHFRHRLPLARVRLVEVGGDVQLDSVRIF with polyhistidine tag at the Nterminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measured by its ability to agglutinate human red blood cells. The ED <sub>50</sub> for this effect is <2 µg/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	This product is stable after storage at: <ul style="list-style-type: none"> <li>• -20°C for 12 months in lyophilized state from date of receipt.</li> <li>• -20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human Galectin-7

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*For research use only.*