

DESCRIPTION

Source	Chinese Hamster Ovary cell line, CHO-derived		
	Human LYPD8 (Leu20-Asn215) Accession # Q6UX82	IEGRMD	Human IgG ₁ (Pro100-Lys330)
	N-terminus		C-terminus
N-terminal Sequence Analysis	Leu20		
Structure / Form	Disulfide-linked homodimer		
Predicted Molecular Mass	48 kDa		

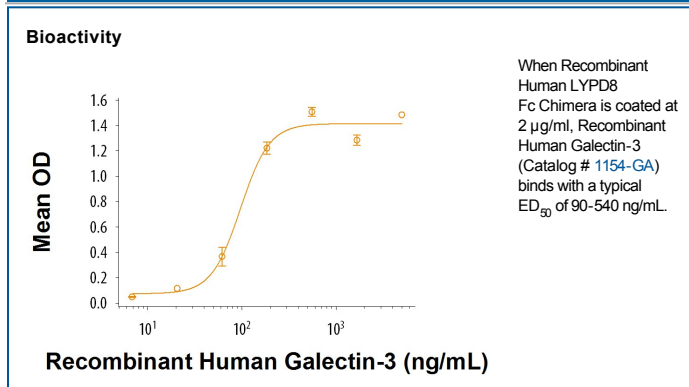
SPECIFICATIONS

SDS-PAGE	85-100 kDa, reducing conditions
Activity	Measured by its binding ability in a functional ELISA. When Recombinant Human LYPD8 Fc Chimera is coated at 2 µg/mL, Recombinant Human Galectin-3 (Catalog # 1154-GA) binds with a typical ED ₅₀ = 90-540 ng/mL.
Endotoxin Level	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.

DATA



BACKGROUND

Ly6/PLAUR domain containing 8 (LYPD8), is a GPI-linked protein with structural similarity to the urokinase-type plasminogen activator receptor (uPAR) (1). Mature human LYPD8 contains one uPAR/Ly6 domain and a Ser/Thr/Pro-rich (STP) region that may serve as a target for protease mediated shedding as has been shown for the related C4.4A/LYPD3 molecule (2, 3). Mature human LYPD8 shares 40% amino acid sequence identity with mouse and rat LYPD8.

References:

1. Kong, H.K. and J.H. Park (2012) BMB Rep. **45**:595.
2. Hansen, L.V. *et al.* (2004) Biochem. J. **380**:845.
3. Esselens, C.W. *et al.* (2008) Biol. Chem. **389**:1075.